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MINISTERIAL TRANSITION BOOK OCTOBER 2021

MINISTER OF INNOVATION, SCIENCE AND
INDUSTRY



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada

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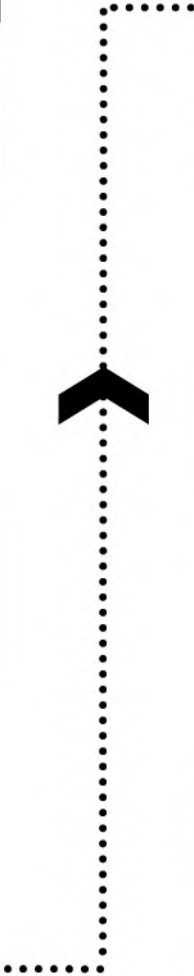


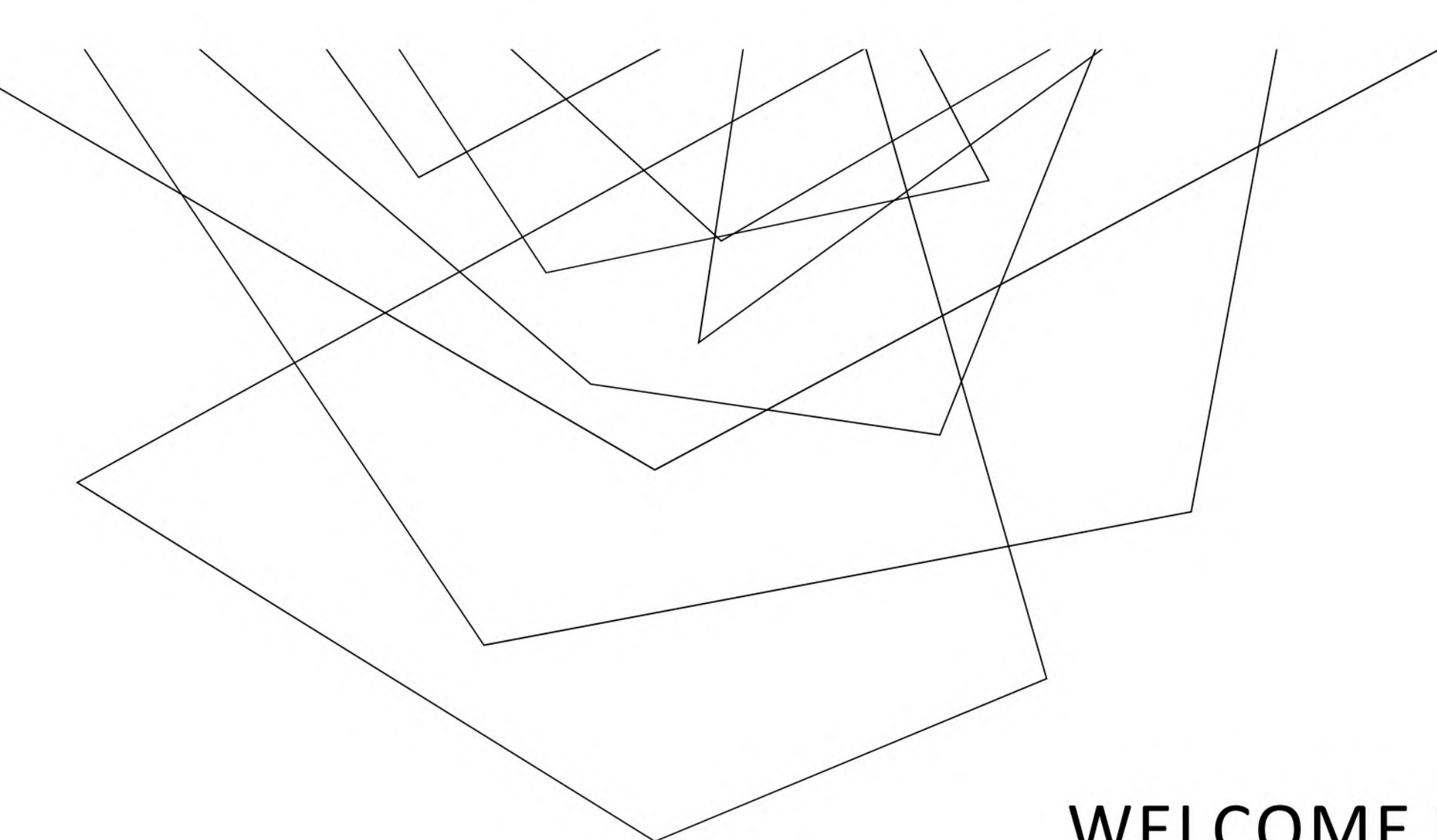
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WELCOME BACK MINISTER





WELCOME BACK MINISTER

Congratulations on your reappointment and welcome back as **Minister of Innovation, Science and Industry**.

As Minister of one of the biggest economic portfolios in the Government of Canada, helping to support the \$1.8T Canadian economy, you have an important role in strengthening the Canadian economy through the promotion of competitive industry, supporting trade and investment, fostering science and technology, and establishing a modern marketplace to position Canada for success in a changed, and ever-changing, global economy. You are at the head of a key economic portfolio at a time when government action is central to mitigating the extraordinary economic impacts of the COVID-19 pandemic on businesses and citizens, and positioning Canada and the Canadian economy to be more resilient, digitally-enabled, and green.

The **Department of Innovation, Science and Economic Development (ISED)** and Portfolio, which includes 11 federal departments, Crown corporations and agencies, and nearly 18,000 federal employees, is here to assist you in delivering on your mandate through a wide range of policy and programs, including the administration of 26 federal statutes and many more regulations to promote competition and innovation; support investment and telecommunications; and protect intellectual property, businesses, and consumers alike.

As Deputy Minister, I will do my very best to assist you by providing integrated advice from across the Portfolio and executing on decisions. ISED and the Portfolio support four ministers, who jointly work to support economic growth, innovation, and competition across Canada, for all Canadians and Canadian firms.



WELCOME BACK MINISTER (CONT'D)

In the context of the global COVID-19 pandemic, ISED and the Portfolio acted to support the needs of Canadians and Canadian firms to deal with the unprecedented public health and economic impacts of the pandemic. ISED and the Portfolio realigned departmental efforts to help Canadians and Canadian firms by leveraging new and adapted tools, including **mobilizing Canadian industry to meet Canada's needs, providing direct support to impacted industries, and supporting a microeconomic policy framework to help advance economic recovery and toward a more resilient, inclusive, and digital economy of the future**. Efforts continue on relief measures to support Canadian firms and the overall economy to deal with the impacts of the pandemic.

On April 19, 2021 the government delivered a major Budget which included over \$20B in new funding for ISED and the Portfolio. This included significant funding to existing programs such as the **Strategic Innovation Fund**, including its **Net Zero Accelerator**, and the **National Research Council of Canada's Industrial Research Assistance Program**, in addition to renewed initiatives, such as **CanCode**, the **Clean Growth Hub**, the **Clean Technology Data Strategy**, and **work-integrated learning (Mitacs)**.

New initiatives were also included to respond to the needs of today and tomorrow, including **Canadian Strategies** focused on advanced technologies (e.g. artificial intelligence, quantum, genomics), initiatives focused on **upskilling and redeploying talent for industry needs** and **unlocking the economic potential of intellectual property**, and a new **Data Commissioner** to inform government and business approaches to data-driven issues and oversee new regulations for large digital companies. Work is ongoing to advance and deliver on initiatives announced in Budget 2021.



WELCOME BACK MINISTER (CONT'D)

The election platform outlined key commitments to support a more resilient economy and a cleaner, greener future. We look forward to continuing to support you to achieve your priorities and deliver on the government's broader agenda, and to continuing to support the ongoing recovery and growth of the Canadian economy through a microeconomic agenda to enhance innovation and resilience across all Canadian sectors. This includes continuing to support Canadian firms to rebuild and recover, and positioning Canadian business sectors for growth through such initiatives as the Strategic Innovation Fund Net Zero Accelerator, which aims to help Canadian firms decarbonize and specialize in green technologies, and Canadian Strategies supporting the growth of domestic biomanufacturing and life sciences. The digital economy is also an area of ongoing focus, both to continue to protect Canadians and Canadian businesses while helping them thrive in the intangibles economy.

The following package is designed to provide you with an overview of ISED and the Portfolio's organizational structure and diverse activities. We look forward to briefing you on specific issues and files in the coming days and weeks.

ISED and the Portfolio wish you the very best as you continue in your role, and stand ready to help advance the Government's mandate and support your vision for a prosperous and innovative economy.

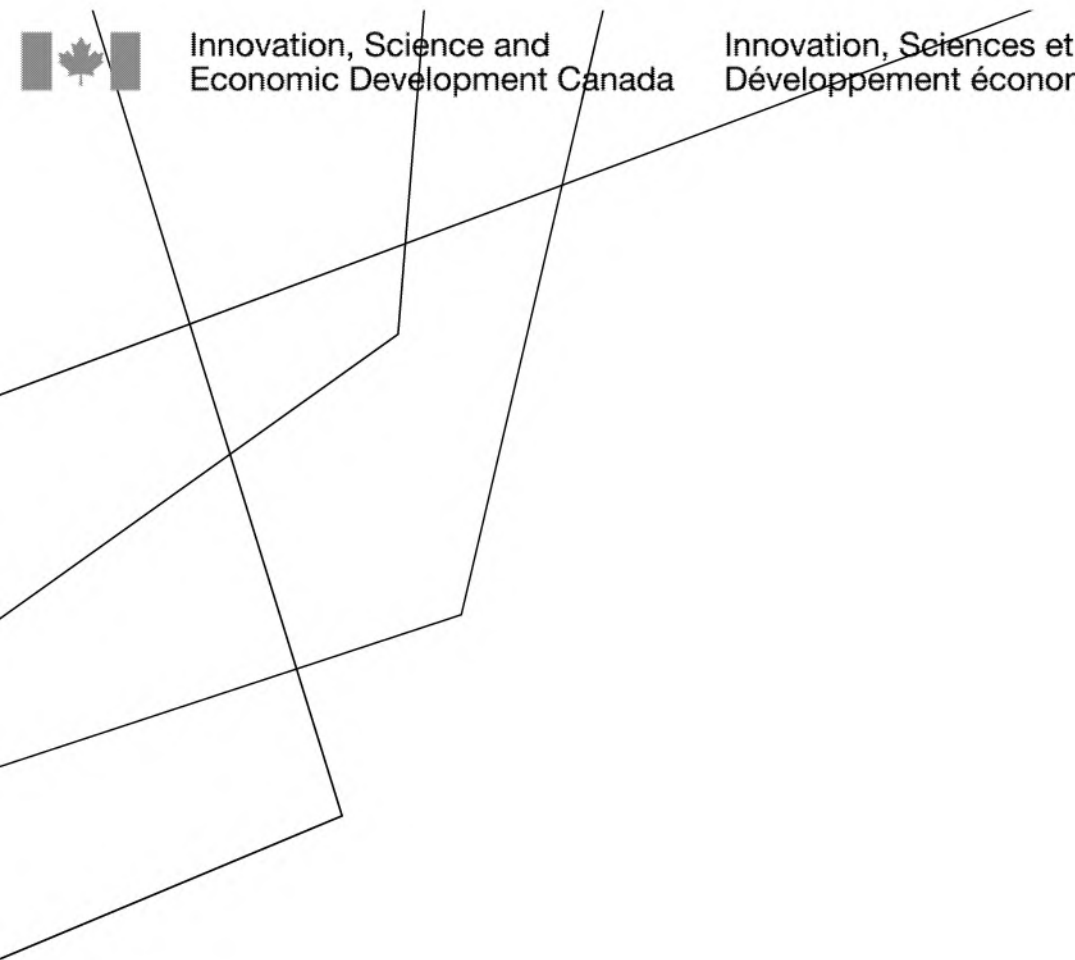
As your Deputy Head, I welcome you back and offer the full support of the Department and the entire Portfolio.

Simon Kennedy
Deputy Minister

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GETTING STARTED: THE FUNDAMENTALS





PURPOSE

OVERVIEW

Provide an overview of the mandate and structure of the Portfolio

PARTNERS

Provide a brief overview of portfolio heads and mandates



RAISON D'ÊTRE

Innovation, Science and Economic Development Canada (ISED) and the Portfolio work with Canadians in all areas of the economy and in all parts of the country to improve conditions for investment, enhance Canada's innovation performance, increase Canada's share of global trade, and build a fair, efficient, and competitive marketplace.

MANDATE

ISED is responsible for the government's micro-economic policy agenda, aiming to foster a growing, competitive, and knowledge-based Canadian economy. It helps create the conditions for Canadian businesses to grow, innovate, and expand so they can create jobs and wealth for Canadians. It also supports scientific research and the integration of scientific considerations into investment and policy choices, and helps small businesses grow through trade and innovation and promotes increased tourism in Canada.

LEADERSHIP

ISED is the federal institution that forms the core of the Innovation, Science and Economic Development Portfolio.

MANDATE OF ISED AND
THE PORTFOLIO



STRUCTURE OF THE ISED PORTFOLIO

DEPARTMENT

Ministers are accountable to the Prime Minister and Parliament for all organizations in their portfolio, including policy, program, and management issues

**Innovation, Science and
Economic Development
(supporting all ISED Ministers)**

AGENCIES

Statistics Canada

Canadian Space Agency

OUTSIDE PORTFOLIO:

**REGIONAL DEVELOPMENT AGENCIES
(under separate ministers)**

Atlantic Canada Opportunities Agency

Canada Economic Development for Quebec
Regions

Federal Economic Development Agency for
Northern Ontario

Federal Economic Development Agency for
Southern Ontario

Prairies Economic Development Canada

Pacific Economic Development Canada

Canadian Northern Economic Development Agency

CROWN CORPORATIONS

Independent;
Chairperson of Board
reports to Minister

Destination Canada

**Standards Council of
Canada**

**Business Development
Bank of Canada**

COUNCILS

Specialized; Deputy Head
reports to Minister

**Natural Sciences and
Engineering Research
Council of Canada**

**National Research
Council Canada**

**Social Sciences and
Humanities
Research Council of Canada**

QUASI-JUDICIAL TRIBUNALS

Make decisions and hear
appeals at arm's length from the
government following
quasi-judicial processes

Competition Tribunal

Copyright Board Canada

QUASI-JUDICIAL TRIBUNAL ADMINISTERED THROUGH OTHER PORTFOLIO

Organization responsible for the
implementation of objectives set
out in the *Telecommunications Act*

**Canadian Radio-television and
Telecommunications Commission**

ASSOCIATED ORGANIZATIONS

Government selects board
member(s); in whole or
part funded by ISED
agreement

Canada Foundation for
Innovation

Council of Canadian
Academies

Pierre Elliott Trudeau
Foundation

Sustainable Development
Technology Canada

Genome Canada*

*Minister does not
appoint board
members



BIOGRAPHIES OF THE ISED DEPUTY MINISTERS



SIMON KENNEDY

Deputy Minister, Innovation, Science and Economic Development Canada

Simon Kennedy was appointed Deputy Minister of Innovation, Science and Economic Development in September 2019. Previously, Simon had served as Deputy Minister of Health. Mr. Kennedy began his career with the public service in 1990 and has served in a variety of senior roles in seven different organizations, including in six deputy minister-level appointments at the Privy Council Office, Industry Canada (as ISED was formerly known), Foreign Affairs and International Trade Canada, Health Canada, and now ISED.



PAUL THOMPSON

Associate Deputy Minister, Innovation, Science and Economic Development Canada

Paul Thompson was appointed Associate Deputy Minister of Innovation, Science and Economic Development in November 2017. Previously, Paul was the Senior Assistant Deputy Minister, Skills and Employment Branch, at Employment and Social Development Canada. He has held a variety of senior leadership roles in six different organizations across the federal public service, including Service Canada, the Treasury Board of Canada Secretariat, the Privy Council Office, Fisheries and Oceans Canada, Employment and Social Development Canada, and now ISED.



ISED PORTFOLIO HEADS AND MANDATES





PORTFOLIO HEADS AND MANDATES: AGENCIES, BOARDS AND COMMISSIONS (1/2)



HEAD
BODY
MANDATE

Lisa Campbell, President
Canadian Space Agency

Promote the peaceful use and development of space, and ensure that space science and technology advance our knowledge and provide social and economic benefits for Canadians.



Anil Arora, Chief Statistician
Statistics Canada

Collect, compile, analyze, and publish statistical information on the economic, social, and general activities and conditions of the Canadian people to improve public and private decision-making for the benefit of all Canadians and promote sound statistical standards and practices.



Iain Stewart, President
National Research Council Canada

Organize and grow research and innovation in Canada by advancing knowledge, applying leading-edge technologies, and working with other innovators to find creative, relevant, and sustainable solutions to Canada's current and future economic, social, and environmental challenges.



PORTFOLIO HEADS AND MANDATES: AGENCIES, BOARDS AND COMMISSIONS (2/2)



HEAD

**Alejandro Adem,
President**

**Ted Hewitt,
President**

**The Honourable
Denis Gascon,
Chairperson of
the Competition
Tribunal**

**Nathalie Théberge,
Chief Executive
Officer**

BODY

Natural Sciences and
Engineering Research
Council of Canada

Social Sciences and
Humanities Research
Council of Canada

Competition Tribunal

Copyright Board Canada

MANDATE

Promote and support
post-secondary research
and training in the
natural sciences and
engineering.

Promote and support
postsecondary-based
research and training in the
social sciences and
humanities.

Help the Canadian
marketplace be more
competitive and
innovative.

Establish the royalties to
be paid for the use of
copyrighted works.



PORTFOLIO HEADS AND MANDATES: CROWN CORPORATIONS



HEAD

**Marsha Walden,
President and Chief
Executive Officer**

**Chantal Guay,
Chief Executive Officer**

**Isabelle Hudon,
President and Chief
Executive Officer**

BODY

Destination Canada

Standards Council of Canada

Business Development Bank of
Canada

MANDATE

Market Canada as a leading
tourism destination in the
international marketplace.

Promote efficient and effective
voluntary standardization in
Canada.

Support Canadian
entrepreneurship through
financing, advisory services, and
capital, with a focus on small and
medium-sized enterprises.



OFFICE OF THE CHIEF SCIENCE ADVISOR

A chief science advisor was appointed to advise on science issues and ways for the Government to better support quality scientific research within the federal system.

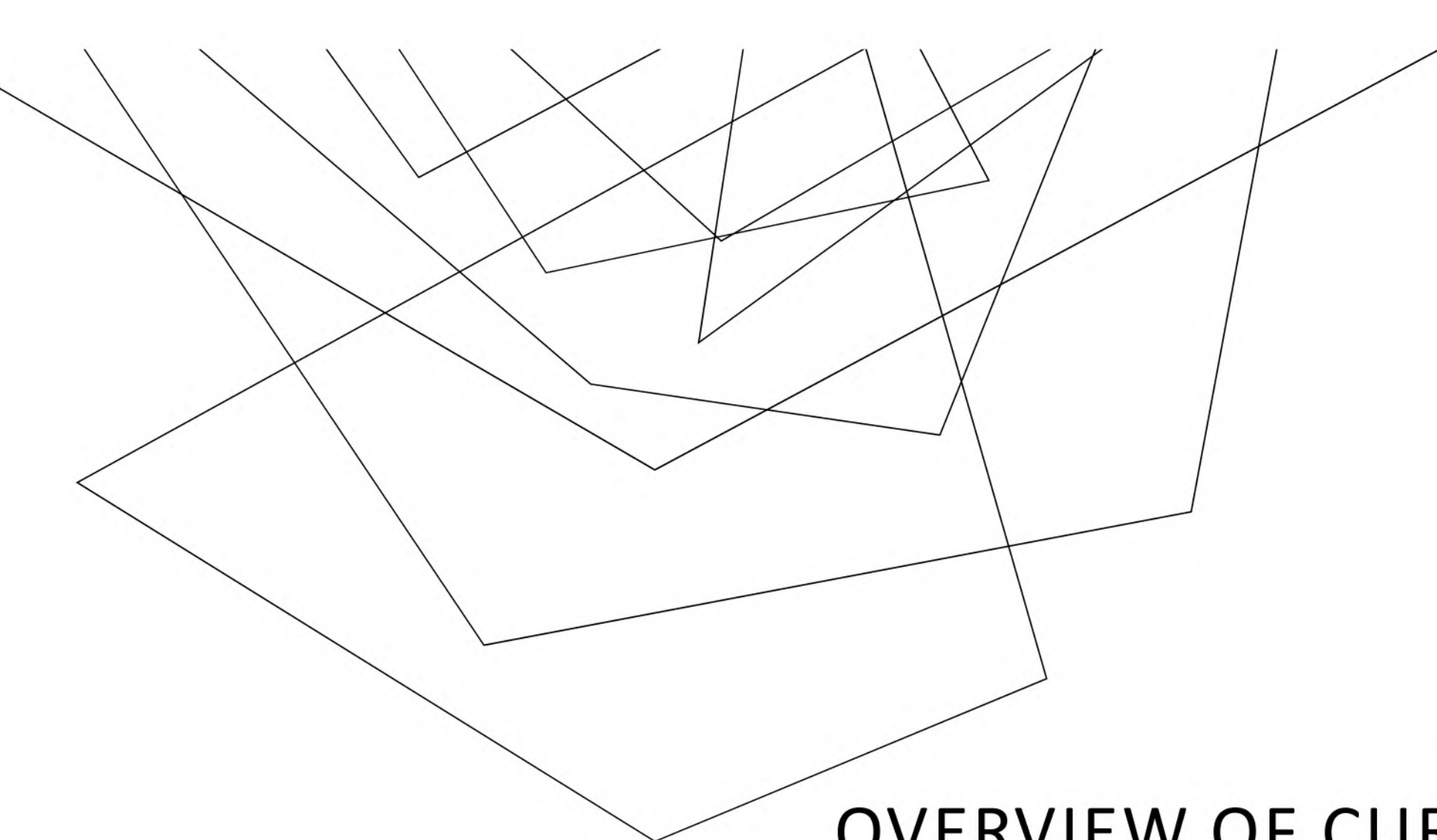


DR. MONA NEMER

Canada's Chief Science Advisor

Dr. Mona Nemer was appointed for a three-year term as Canada's Chief Science Advisor in September 2017 and reappointed for an additional two-year term in September 2020. Before taking on this role, Dr. Nemer was Professor and Vice-President of Research at the University of Ottawa and Director of the school's Molecular Genetics and Cardiac Regeneration Laboratory. She holds a PhD in Chemistry from McGill University and did post-doctoral training in molecular biology at the Montreal Clinical Research Institute and Columbia University.

Dr. Nemer is a member of the Order of Canada, a fellow of the Academy of Sciences of the Royal Society of Canada, a knight of the Ordre national du Québec, and a Knight of the French Republic's Ordre national du Mérite. She is also a fellow of the American Association for the Advancement of Science and a member of the American Academy of Arts and Sciences. In 2018, Dr. Nemer was awarded the Arthur Wynne Gold Medal by the Canadian Society for Molecular Biosciences.

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OVERVIEW OF CURRENT ISED PORTFOLIO ACTIVITIES IN SUPPORT OF THE ECONOMY





THE ISED AND PORTFOLIO STORY

The Department has a long-standing history of supporting the Canadian economy through its evolving mandate and ongoing mission to meet the shifting needs of industry.

1892

- The **Department of Trade and Commerce** (1892) primarily focused on the creation and expansion of national and regional transportation systems, export of natural resources, and growing the processing capacity of the manufacturing sector. The Department's focus shifted to mobilizing Canada's industrial capacity for war in 1939.

1963

- The **Department of Industry** (1963) shifted the primary focus to industry and innovation. The Department's 10 sector-focused branches aimed to increase Canadian productivity and large-scale production. Regional economic development was also first recognized as a key component of industry policy in this era via the creation of the Area Development Agency.

1969

- The **Department of Industry, Trade and Commerce** (1969) brought together trade and industrial policy. The Department's primary focus was to promote the establishment and growth of the manufacturing, processing, and tourism industries, improve the productivity of Canadian industry, and foster the expansion of Canadian trade.

1982

- The **Department of Regional and Industrial Expansion** (1982) merged industry policy and regional economic development. Trade functions were removed and the Department's programming efforts focused on supporting large-scale industrial development.



THE ISED AND PORTFOLIO STORY

1987

- The **Department of Industry, Science and Technology Canada** (1987) was created in response to the growing prominence of science and technology as a key component of economic policy. Some shifts in the era included a more prominent role in encouraging technology transfer and basic and applied R&D, and ensuring the availability of a highly skilled labour force.

1993

- **Industry Canada** (1993), essentially a merger of four existing departments (Industry, Science and Technology Canada; Consumer and Corporate Affairs; Department of Communications; and Investment Canada), was established in response to the unfavourable economic and financial climate in the early to mid-1990s. The role of the Department shifted toward micro-economic policy, with a *raison d'être* to promote productivity and innovation and create the conditions for a more competitive business climate.

2015

- **Innovation, Science and Economic Development Canada** (2015) reinforced the centrality of innovation to industrial policy and economic development across all sectors and regions of the country. The ISED Portfolio has shifted toward being a more active and direct partner with businesses, innovators, entrepreneurs, the higher education sector, and civil society. This era has also coincided with a renewed emphasis on working collectively across departments and central agencies to generate whole-of-government solutions to growing the economy for all Canadians.



OVERVIEW OF CURRENT ISED AND PORTFOLIO ACTIVITIES

Responding to the COVID-19 Pandemic

Marketplace Frameworks and Consumer Confidence

Enabling Digital Infrastructure

Supporting Canadian Sectors

Helping Small Businesses Adapt, Thrive, and Scale

Science and Research

Regional Development



Responding to the COVID-19 Pandemic

The COVID-19 pandemic resulted in an unprecedented economic shock impacting all sectors of the Canadian and global economies, business operations and consumer preferences. ISED and the Portfolio have and continue to work to position Canada to thrive economically by supporting the unique needs of the sectors that make up our economy and by helping them adapt to the impacts of the pandemic.

As part of their contribution to the Government of Canada's response to the COVID-19 pandemic, ISED and the Portfolio built upon their long-standing partnerships with industry to mobilize forces to respond to the public health crisis.

Together with Canadian firms, a number of important elements in Canada's response to the COVID-19 pandemic were developed to mobilize industry response, support hard-hit businesses, build resilience, and support longer-term recovery.



Responding to the COVID-19 Pandemic

1. Supporting hard-hit Canadians and Canadian businesses:

- Building on emergency support programs to fill key gaps by supporting Canadian firms through funding and providing access to capital for firms in the hardest hit sectors (e.g., **Highly Affected Sectors Credit Availability Program** and **Business Development Bank of Canada**, the **Large Employer Emergency Financing Facility**).
- Providing additional support to hard hit sectors through the **Regional Relief and Recovery Fund***, the **Tourism Relief Fund**, the **Aerospace Regional Recovery Initiative**, and the **Canadian Seafood Stabilization Fund**, administered by the Regional Development Agencies, which are now led by separate Ministers.
- Providing \$741M in **temporary support to students, researchers, and trainees** in the academic research community to help preserve Canada's research base and its talent.
- **Launching** a new **Business Benefits Finder** and **ExploreIP**, both with new COVID-related categories, and working with firms to identify and use measures that respond to their needs.
- Helping rural Canadians adapt to working from home and improving access to high-speed Internet for Indigenous peoples and vulnerable Canadians (**Universal Broadband Fund**).



Responding to the COVID-19 Pandemic

2. Mobilizing industry response:

- Issuing the **Made-In-Canada Call to Action**: partnering with industry to secure domestic production of key personal protective equipment and medical supplies for front-line workers.
- Supporting digital responses to COVID-19 in tandem with industry through the **COVID Alert App Framework**; and sharing regular COVID-19 updates via the **Canada Business App**.

3. Building Canada's resilience and supporting longer-term recovery:

- Investing \$1.2B through the **Strategic Innovation Fund** to support over a dozen Canadian companies to develop vaccines, treatments, and facilities in Canada for the fight against COVID-19 and for pandemic preparedness.
- Working with partners and industry to develop the **Biomanufacturing and Life Sciences Strategy**; securing new funding for **life sciences research and biotechnology**, national strategies on **artificial intelligence, quantum and genomics**.
- Launching calls through **Innovative Solutions Canada** for prototypes and awarding \$35M to 55 innovations to develop solutions to combat COVID-19 and similar threats.
- Funding leading-edge innovations to keep Canadians safe and help the economy recover with more than 80 projects worth over \$220M through the **Innovation Superclusters Initiative**.



Marketplace Frameworks and Consumer Confidence

- ISED and the Portfolio are responsible for a set of laws, regulations, and policies in key areas that establish a framework for business activity in Canada, including to:
 - Support innovation through investment attraction, competition, research, and commercialization;
 - Build trust by taking into account diverse public policy interests, such as privacy, consumer protection, and fairness; and,
 - Encourage Canadian firms to leverage marketplace tools, services, and programs.
- ISED and the Portfolio are currently responsible for the development and coordination of policy and legislative frameworks of general application within the marketplace, including:
 - Corporate governance, bankruptcy and insolvency;
 - Competition;
 - Labelling (textiles, packaged goods, and precious metals);
 - Copyright, trademark, patent, and industrial design;
 - Privacy, personal information, and data governance; and,
 - Anti-spam and e-commerce protection.
- ISED and the Portfolio work to ensure Canada's marketplace frameworks are effective in promoting competitive markets and instilling confidence and trust through a variety of functions.



Marketplace Frameworks and Consumer Confidence

LAW AND POLICY

- ISED regularly assesses and advises on marketplace policies and laws to ensure that they remain fit for purpose and are effective, and leads the development of legislative, policy, and some regulatory proposals.
- ISED participates in international fora and negotiations of importance to the Portfolio, including issues related to governance of a data-driven economy.
- The Portfolio has a role in protecting Canadians and empowering consumers through: federal policy, legal, and regulatory levers; research, education, and awareness efforts; enforcement actions; and, coordination with the provinces and territories.
- To remain proactive, the Portfolio monitors domestic and international developments to leverage best practices and maintain interoperability where necessary (e.g. European Union's General Data Protection Regulation).



Marketplace Frameworks and Consumer Confidence

REGULATION AND IMPLEMENTATION

- The **Canadian Intellectual Property Office**, a special operating agency of ISED, administers Canada's system of intellectual property rights, including patents, trademarks, copyrights, industrial designs, and geographical indications.
- The **Competition Bureau** is an independent federal law enforcement agency with competition law and consumer welfare responsibilities to ensure trust and innovation in markets, including combatting cartels and deceptive marketing practices, reviewing mergers, and preventing abuse by dominant firms.
- The **Office of the Superintendent of Bankruptcy** ensures the proper functioning of the insolvency system in support of creditor and investor confidence in the Canadian economy. It also helps protect consumers through compliance promotion, monitoring and enforcement, and providing tools and information to help debtors find the right solution for their serious financial challenges.
- **Corporations Canada** helps Canadians incorporate businesses, not-for-profit corporations, and other corporate entities according to Canada's laws and regulations and provides a regulatory climate that maintains order and fairness in the corporate law arena.
- The **Copyright Board of Canada** establishes the royalties to be paid for the use of some copyrighted works when entrusted to a copyright collective society, setting royalties which are fair and equitable to both copyright owners and users of copyrighted works.



Marketplace Frameworks and Consumer Confidence

- The **National Research Council Canada** is Canada's international metrology and measurement authority, and produces the model Canadian Building Code for the provinces and territories.
- The **Standards Council of Canada** is a federal Crown corporation responsible for promoting efficient and effective standardization to strengthen Canada's competitiveness while protecting consumers and protecting the health, safety, and welfare of Canadians.
- **Statistics Canada** provides data and analysis that form the foundation of important macroeconomic measures, such as the consumer price index, gross domestic product, trade and other measures on innovation, productivity, and digital. Through the Census of Population, it collects and disseminates information on important demographic trends and insights that inform both domestic and international business decisions.
- **Measurement Canada** maintains domestic and worldwide confidence in the accuracy of goods and services bought and sold on the basis of measurement to advance economic growth and a fair and competitive marketplace.
- The **Office of Consumer Affairs** acts as a focal point for consumers seeking access to information to make informed decisions in the marketplace or seek redress when they encounter an issue. It also facilitates collaboration across all levels of government with respect to consumer protection and awareness, and supports consumer organizations in Canada to advance research and policy analysis on emerging issues.



Enabling Digital Infrastructure

- Canadian businesses rely on digital infrastructure to connect to a larger market and grow globally. Canadians, particularly in remote areas, rely on digital infrastructure, such as broadband Internet access and wireless service provided through spectrum, to connect to vital services, educational resources, and economic opportunities.
- ISED and Portfolio partners have a role to play in enabling digital infrastructure, alongside other government departments, by:
 - Administering funding programs that work to improve the availability of telecommunications services in unserved and underserved areas, including rural and Northern communities (e.g. Universal Broadband Fund).
 - Seeking to remain proactive and forward-looking on evolving digital infrastructure needs, including looking at the implications of next-generation networks, such as 5G; and
 - Advancing the security and resilience of digital infrastructure, working with partners across the Government of Canada.



Enabling Digital Infrastructure

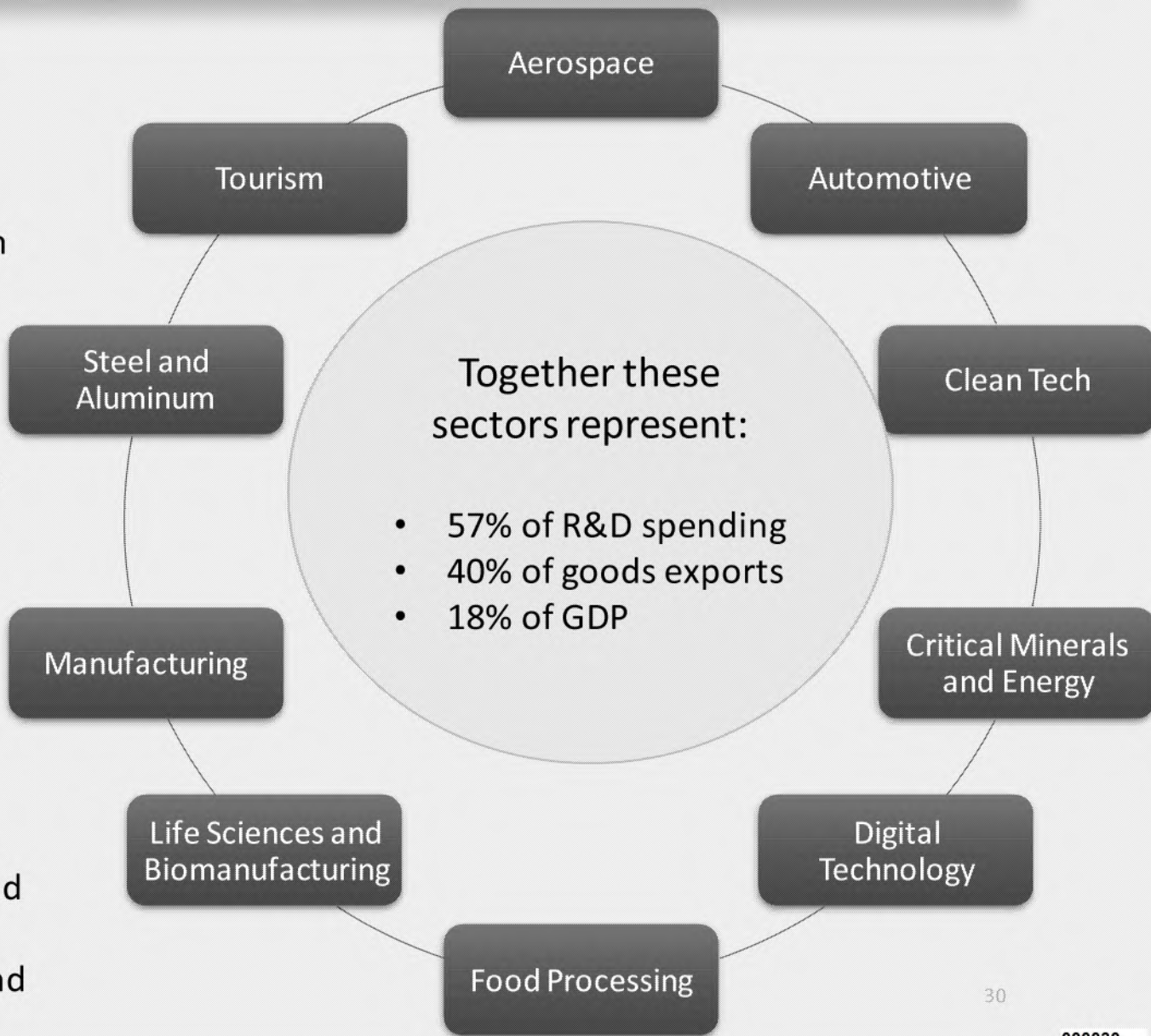
- ISED is responsible for the ***Telecommunications Act*** and leads telecommunications policy for the government to promote sector competition, investment, affordability, and access to high-quality services.
- ISED is responsible under the ***Radiocommunication Act*** to govern the use of spectrum in Canada, a public resource that is essential for the country's wide range of wireless services. This includes authorizing its use, setting standards, certifying equipment, and holding auctions.
- The **Canadian Radio-television and Telecommunications Commission (CRTC)** is an independent tribunal that regulates telecommunications and broadcasting in the public interest. The CRTC currently reports to Parliament via the Minister of Canadian Heritage and works to implement the policy objectives in the ***Telecommunications Act*** and **Canada's Anti-Spam Legislation** (currently the responsibility of the Minister of Innovation, Science and Industry) and the ***Broadcasting Act*** (currently the responsibility of the Minister of Heritage).
- This includes implementing measures to encourage greater competition in telecommunications services, enable digital infrastructure, and promote compliance with and enforcement of regulations that advance consumer interests.



Supporting Canadian Sectors

KEY SECTORS WHERE ISED TAKES A LEAD ROLE

- **ISED** leads the Government's work with key industrial sectors to improve conditions for investment, enhance innovation performance, increase our share of global trade, and build a fair, efficient, and competitive marketplace.
- **ISED** brings together the expertise, programs, and services of the Government to meet priorities and support businesses in reaching their potential.
- **ISED** works directly with businesses to gain insights, respond to challenges, and develop solutions to drive economic growth by focusing on opportunities and building on Canada's strengths.



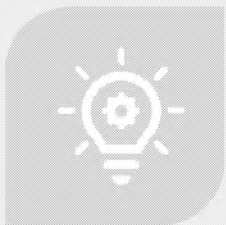


Supporting Canadian Sectors



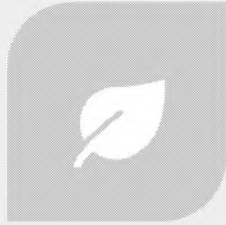
PANDEMIC RESPONSE AND READINESS

Fostering recovery by strengthening and rebuilding biomanufacturing capabilities and supporting Made-in-Canada technologies, including personal protective equipment.



INNOVATION AND R&D

Supporting the Canadian economy through strategic actions and investments to build Canada's innovation advantage in growing technology and promote digital adoption across all industries.



SUSTAINABILITY AND EMISSIONS REDUCTION

Supporting the decarbonization of Canadian industries and the economy to accelerate the transition to sustainability and net-zero through expertise in clean technology capabilities and research to support new policies and programs enabling clean technologies.



SUPPLY CHAIN RESILIENCY AND TRADE

Supporting efforts to shape a more resilient and inclusive economy reinvesting in domestic manufacturing expertise and capacity, stabilizing global supply chains, and expanding trade relationships.



SKILLS AND TALENT

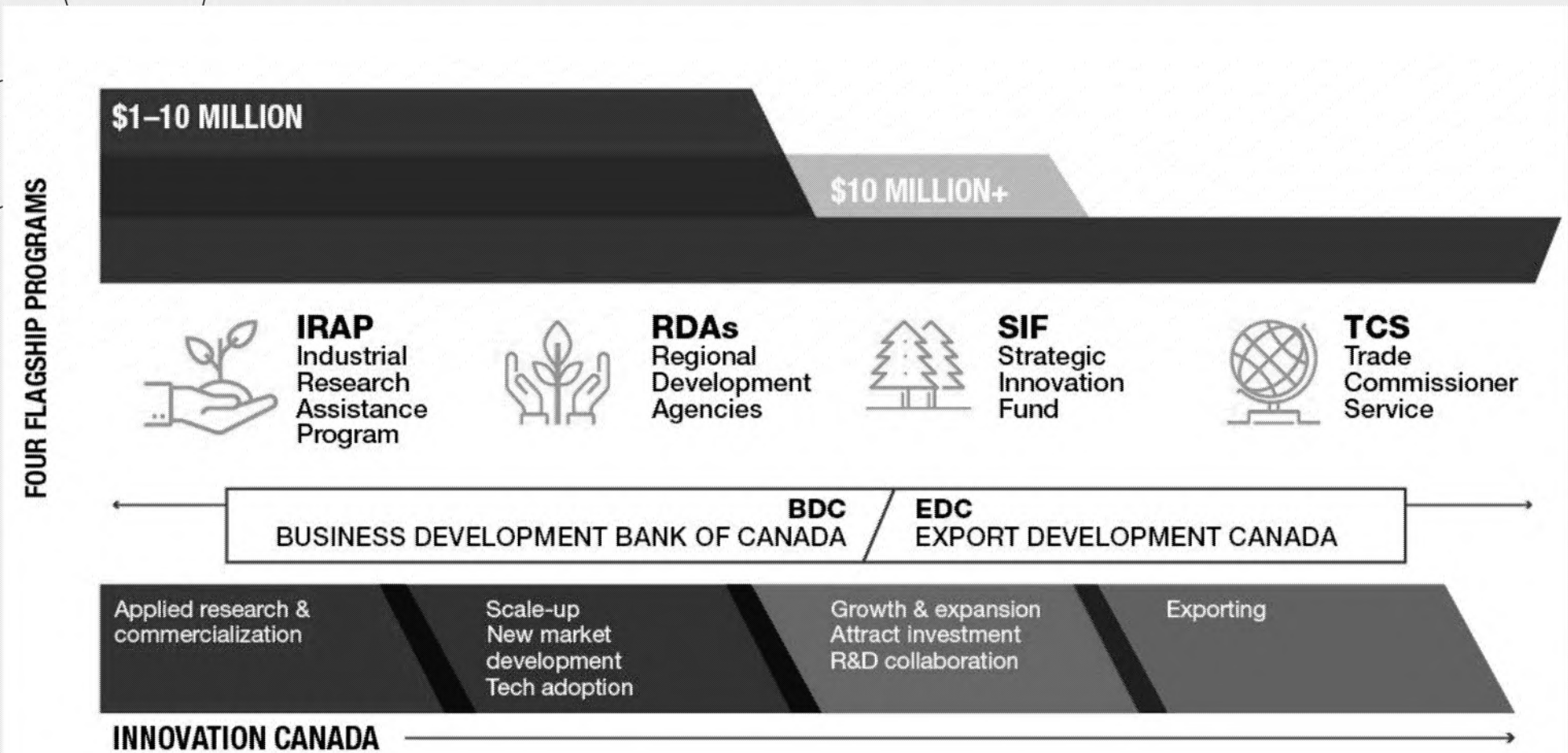
Delivering skills programming focused on driving innovation and helping ensure that Canada's workforce meets industry needs by inspiring youth toward future careers and supporting work-integrated learning and training in high-growth sectors.



Supporting Canadian Sectors

PROGRAM SUPPORTS

ISED and the Portfolio's four flagship innovation support programs each target support at a different critical stage of firm growth:



Aligned access and
demand-driven

Single point
of access

Save firms time
and money

Developing
a pipeline

Scale-up



Supporting Canadian Sectors

PROGRAM DATA AND KEY FIGURES

NRC-IRAP

9,349 firms assisted
2,510 new projects funded
2,086 firms funded
892 youth jobs supported, with **90%**
youth employed/self-employed
post-internship
12,146 jobs supported
\$319.7M invested through grants and
contributions

Data as of 2020-21

Strategic Innovation Fund (SIF)

(Launched July 2017)

96 announced projects
\$4.8B in SIF contributions
\$51.8B in total investment leveraged
\$15.2B secured in R&D investment
22.5K commitments for co-op and
training opportunities

Data as of August 31, 2021

Regional Development Agencies (RDAs)*

7 RDAs working with **268** local
Community Futures Organizations
148,722 jobs and **24,872** businesses
and organizations supported or
preserved during the pandemic
through the Regional Relief and
Recovery Fund
\$730M+ for core grants and
contributions for 2021-22
\$2.2B in new, targeted support
through Budget 2021

Data as of August 2021

*Outside the ISED Portfolio and led by separate ministers



Supporting Canadian Sectors

PROGRAM SUPPORTS

ISED supports industry sectors by providing a one-stop shop for financing and expert advice and by driving new collaborations to help businesses innovate, create jobs, and grow Canada's economy.

- The **Strategic Innovation Fund** invests in innovative businesses and collaborative projects to support scale-up and research, develop and commercialize cutting-edge ideas, and collaborate in new ways (e.g. **Net-Zero Accelerator** to support clean technology development and adoption by Canadian businesses and ecosystems).
- The **Innovation Superclusters Initiative** brings together entrepreneurs, researchers, accelerators, small and medium-size enterprises, and global firms to consolidate Canada's technology strengths in areas of global advantage. The five superclusters are regionally anchored and have national reach (Digital Technology, Protein Industries, Advanced Manufacturing, Scale AI, and Ocean).
- **Innovative Solutions Canada** is helping Canadian innovators who want to start, grow, and get to market by funding R&D and testing prototypes in real-life settings.
- **Canada Digital Adoption Program's** Stream 2 will help SMEs with access to programs and services to digitize their businesses toward resilience and growth.
- The **Accelerated Growth Service**, **BizPaL**, and **Business Benefits Finder** aim to help Canadian businesses grow from start-up to scale-up to global brand.
- **ExploreIP**, **Canada's IP Marketplace**, and associated online tools help Canadian businesses access valuable publicly owned IP to licence, collaborate, and commercialize.



Supporting Canadian Sectors

PORTFOLIO PARTNERS

- ISED works with other departments on investment attraction to encourage foreign firms to invest in Canada to bring new jobs, adopt advanced technologies, and boost our economy. ISED is responsible for ensuring foreign investment benefits the Canadian economy via the administration of the *Investment Canada Act*.
- The **Portfolio** delivers a broad suite of industry-focused programs to support business needs—from helping businesses access skilled talent to grow and innovate, through building innovation ecosystems, to exporting and scaling up globally. For example:
 - The **National Research Council Canada** labs and the **Industrial Research Assistance Program** work directly with individual businesses across the country on their research and commercialization needs.
 - The **Canadian Space Agency** supports the growth of the space industry and encourages the transfer and commercialization of space technology throughout Canadian industry.
 - **Destination Canada** promotes Canada as a tourism destination by uniting tourism leaders and providing a platform for businesses to connect with global customers.
 - **Regional Development Agencies**, now formally outside the Portfolio and led by separate ministers, work to address key economic challenges by providing regionally tailored programs, services, knowledge, and expertise, including delivering direct project funding for local enterprises, regional ecosystems, and community economic development and diversification, and implementing national programs such as the Women Entrepreneurship Fund.



Helping Small Businesses Adapt, Thrive, and Scale

- Small businesses make up nearly 98% of businesses in Canada and are important to Canada's economy, employing 64% of workers. While Canada generally excels at creating new businesses, maximizing export potential and creating high-growth and large anchor firms remains a challenge.
- A current function of the Portfolio is **to support small businesses through access to financing**. This includes direct funding through grants and loans, as well as support in raising capital. Many of the Portfolio financing programs include **mentorship and capacity building**, offering knowledge sharing, resources, and expert advice direct to entrepreneurs and small-business owners.
- The Portfolio works to encourage **market diversification and global market access** by promoting key trade and investment agreements, advancing negotiations on new agreements, and helping entrepreneurs expand globally.
- The Portfolio also supports the small-business ecosystem more broadly through its role in **supporting effective regulation and access to talent pipelines**, and through **direct business-facing services**, such as the **Canada Business App**, to help small businesses better access government services and programs.



Helping Small Businesses Adapt, Thrive, and Scale

- Existing programs support a wide range of entrepreneurs (**Women Entrepreneurship Strategy, Black Entrepreneurship Program, Futurpreneur**, and the **Small Business and Entrepreneurship Development Program**) to start a business, and small and medium-sized enterprises to grow in Canada and globally.
- The **Canada Digital Adoption Program's Stream 1** is intended to help SMEs take advantage of e-commerce opportunities, while **Stream 2** helps businesses with the development and implementation of digital adoption strategies.
- The **Canada Small Business Financing Program** enhances access to capital by working with Canadian financial institutions to risk share small business loans.
- ISED further complements these SME supports through its business innovation programming:
 - The **Strategic Innovation Fund** supports innovation networks that facilitate collaborative innovation projects, often involving smaller companies.
 - 47% of **Supercluster** project partners are SMEs, linking innovative SMEs with larger firms and research institutes to leverage the industry network.
 - **Innovative Solutions Canada** leverages procurement to enable the Government to act as a first customer and support innovative Canadian SMEs.
 - The Innovation Advisors within the **Accelerated Growth Service** help high-growth SMEs find government support—from financing to technical advice to foreign market expertise.



Helping Small Businesses Adapt, Thrive, and Scale

PORTFOLIO PARTNERS

- **The Business Development Bank of Canada** provides financing, advisory services, and capital investments for SMEs, intended to supplement or complete services available from commercial financial institutions.
- The **Business Development Bank of Canada** also delivers programs on behalf of government, such as the **Venture Capital Catalyst Initiative**, which leverages private sector funds to increase the availability of funding targeting high-potential start-ups, and supports the **Canada Digital Adoption Program** by providing 0% interest loans to finance the implementation of business' technology adoption plans.
- **The National Research Council Canada** delivers the **Industrial Research Assistance Program**, which provides technical advice to over 8,000 SMEs and funding to over 3,500 SMEs each year.
- **Regional Development Agencies**, now formally outside the Portfolio and led by separate ministers, address key economic challenges by providing regionally tailored programs, services, knowledge, and expertise, including delivering direct project funding for SMEs, regional ecosystems, community economic development and diversification, marketing and destination development in support of tourism, and by implementing national programs such as the **Regional Relief and Recovery Fund**, which provides assistance to businesses and communities that require additional support to cope with and recover from the pandemic.



Science and Research

- The Portfolio works to support fundamental research by ensuring researchers have the resources they need to continue asking bold questions and training new generations of students. It also supports Canada's science ecosystem by facilitating connections between post-secondary institutions and industry, and promoting science to the public through third-party organizations, science promotion programs, and agenda-setting.
- Applied R&D as well as strong partnerships between businesses and research institutions are also critical elements in transforming fundamental research into commercial products and services to drive the economy and improve the well-being of all Canadians.
- The Portfolio also works with global partners to strengthen best practices and contribute to large-scale discovery projects. The **Canadian Space Agency** works collaboratively with members of the global space community, including NASA and the European Space Agency. In this role, Canada has contributed to a number of scientific missions, delivering critical technology and scientific expertise.
- Canada has a history of strong scientific performance on the world stage. For example, years of investment in artificial intelligence-related research has led to Canadian leadership in this area. Other areas of strength include quantum, genomics, and research and training investments that support the biomanufacturing sector.



Science and Research

- Direct funding is currently used to support fundamental science, delivered through various mechanisms, including the two granting agencies under the ISED Portfolio. The Natural Sciences and Engineering Research Council of Canada and the Social Sciences and Humanities Research Council of Canada both provide funding to support students, promote and support discovery research, and encourage greater collaboration between industry and academia. (The Canadian Institutes of Health Research, the third granting council, is under the purview of the Minister of Health.)
- The **Strategic Science Fund** aims to mobilize the expertise and resources of independent, third-party science and research organizations to enhance Canada's science, technology, and innovation excellence.
- Other funding initiatives within the Portfolio focus on building skills through the promotion of science, technology, engineering, and mathematics; on strengthening Canada's research infrastructure; on enhancing areas of strength; and on supporting business in the development and deployment of research.
- The **National Research Council Canada** is Canada's largest federal R&D organization, which partners with industry to help bring research and new advanced technologies to market, and invests in strategic R&D programming to apply to economic and societal challenges.



Regional Development

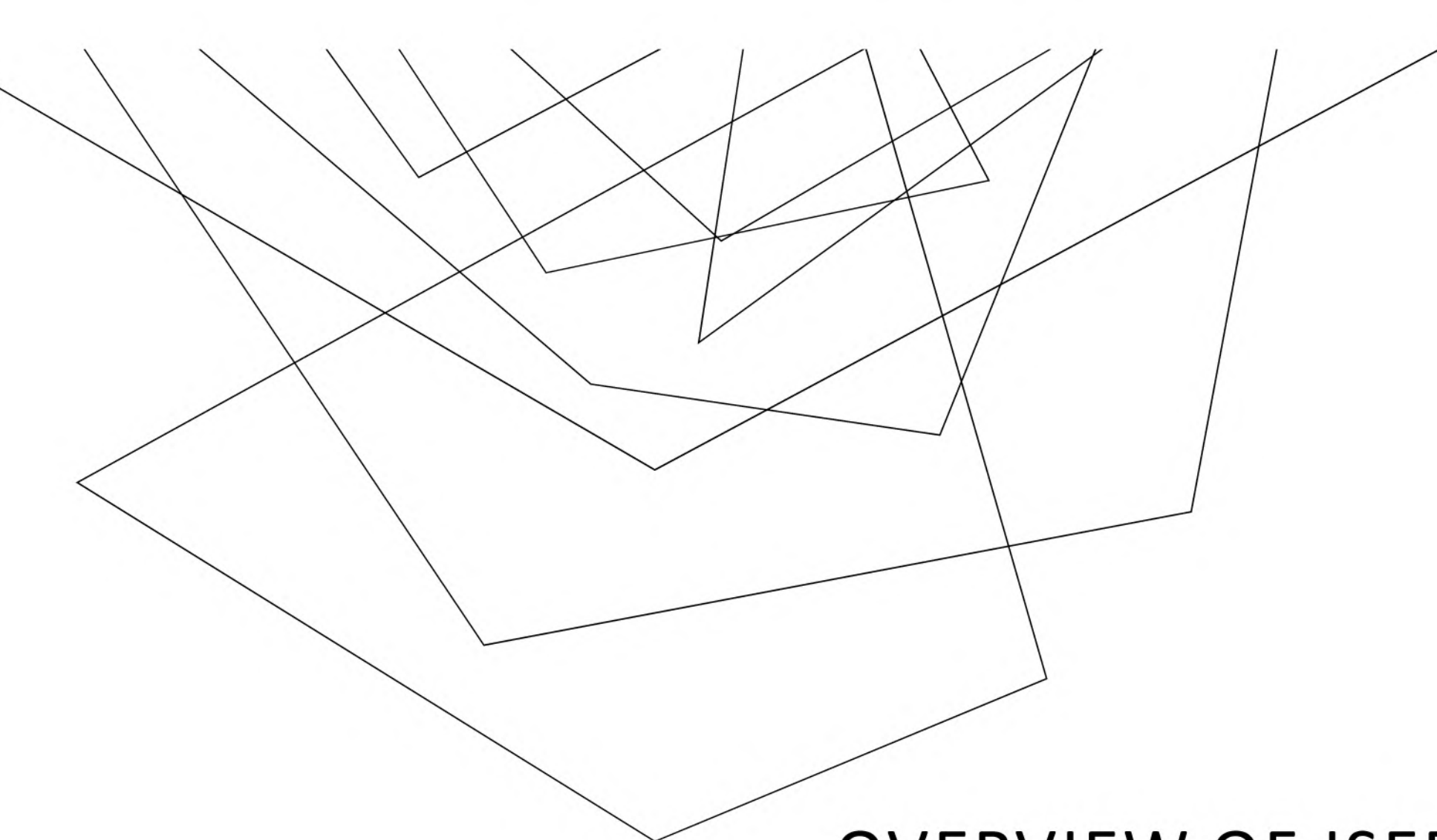
The ISED Portfolio engages regionally via two principal avenues:

1. ISED's five Regional Offices, reporting through the Strategy and Innovation Policy Sector—Pacific, Prairie and Northern, Ontario, Quebec, Atlantic:

- Gather and report regional intelligence, provide support to ministerial and VIP outreach, and support implementation of certain key departmental files; and
- Play a key role in enhancing the Department's understanding of the economic benefits and potential of Canada's economy with knowledge of local issues and networks with stakeholders.

2. Federal, Provincial and Territorial (FPT) Table for Innovation and Economic Development:

- Supports FPT ministers and deputy ministers in sustaining and enhancing collaboration on innovation and economic development;
- Was created in 2016 and is currently co-chaired by ISED and the Government of Ontario; and
- Includes an assistant deputy minister-level FPT table, which began meeting regularly to advance deputy ministers' priorities following the outbreak of the pandemic.

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OVERVIEW OF ISED AND PORTFOLIO BODIES





DEPARTMENTAL DIVISIONS

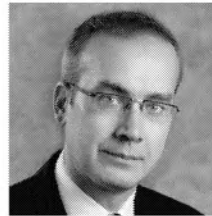
The units within the Department that help carry out the activities of ISED are:

- Strategy and Innovation Policy Sector
- Industry Sector
- Innovation Canada
- Science and Research Sector
- Small Business and Marketplace Services
- Spectrum and Telecommunications Sector
- Digital Transformation Services Sector
- Corporate Management Sector
- Strategic Communications and Marketing Sector
- Canadian Intellectual Property Office
- Competition Bureau
- Audit and Evaluation Branch
- Legal Services

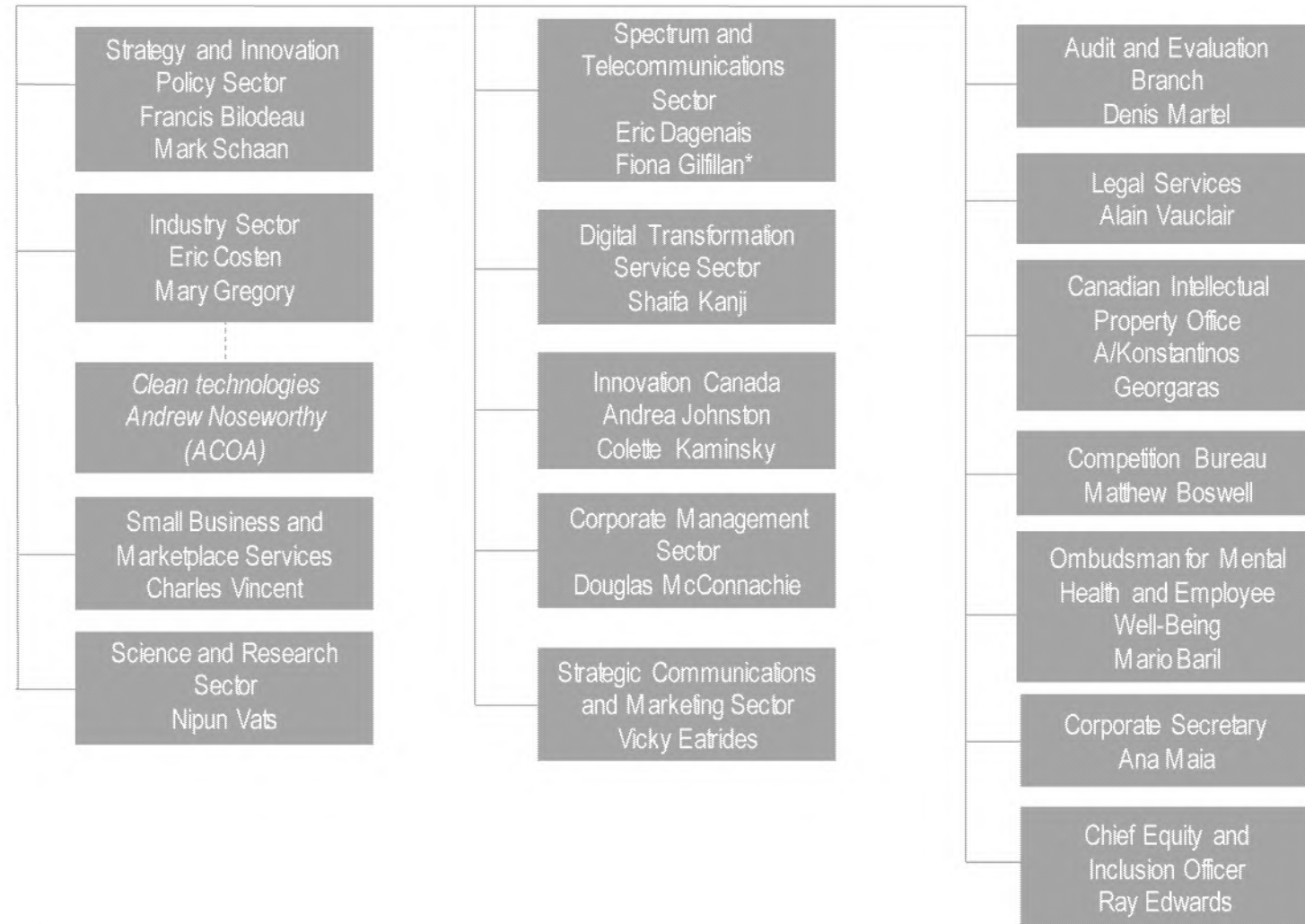


DEPARTMENTAL DIVISIONS CHART

**Deputy
Minister**
Simon
Kennedy



**Associate
Deputy
Minister**
Paul
Thompson





STRATEGY AND INNOVATION POLICY SECTOR (SIPS)

Mandate

SIPS plays a key role in implementing the Government's microeconomic policy agenda and in supporting departmental alignment. It develops and supports the Department's horizontal policy and strategy by ensuring robust marketplace frameworks and by deepening international and regional relations and promoting trade. It also coordinates for the federal budget and is responsible for telecommunications and digital policy. Also within SIPS are the regional offices, which gather intelligence in the regions and act as the Portfolio's public face with regional stakeholders.



STRATEGY AND INNOVATION POLICY SECTOR (SIPS)



Francis Bilodeau
Senior Assistant
Deputy Minister

Francis Bilodeau

Francis Bilodeau has served as Senior Assistant Deputy Minister of SIPS since May 2020. Prior to joining ISED, Francis held several senior positions in the Government of Canada, including serving as the Government of Canada's Acting Chief Information Officer of Canada and in assistant deputy minister positions at the Treasury Board of Canada Secretariat and the Privy Council Office. Francis has also previously held various federal government executive positions. Francis holds a degree in mechanical engineering as well as a master's degree in business administration.



Mark Schaan
Associate Assistant
Deputy Minister

Mark Schaan

Mark Schaan has served as Associate Assistant Deputy Minister of SIPS since January 2020. Prior to becoming an Assistant Deputy Minister, Mark was the Director General, Marketplace Framework Policy Branch, at ISED. In this role, Mark advised on the policy, legislative, and stakeholder issues relating to privacy and data protection, patents, trademarks, copyright, competitions, and insolvency. Mark's public service career has included roles across the policy spectrum, as well as leading on revitalizing the public service through innovative recruitment models. Mark holds a degree in political science, a master's degree in comparative social policy, and a doctorate in social policy.



INDUSTRY SECTOR (IS)

Mandate

IS is the centre for the provision of advice on the Government's industrial policy, based on economic and technological expertise and industry outreach. In this capacity, the sector is responsible for the following industries: automotive, manufacturing, digital technologies, biomanufacturing, life sciences, tourism, clean technologies, aerospace, space, marine, and defence. The sector also supports the Government's delivery of industry-focused programs, and supports the advancement of a skills agenda aligned with industry needs. IS undertakes investment attraction work in collaboration with other departments and the Invest in Canada Hub, including the Government's industry promotion efforts. The sector is also responsible for the administration of the Investment Canada Act and the management of the Industrial and Technological Benefits Policy.



INDUSTRY SECTOR (IS)



Eric Costen
Senior Assistant
Deputy Minister

Eric Costen

Eric Costen has been working in the Department since February 2021. Previously, he was the Associate Assistant Deputy Minister of Health Canada's Controlled Substances and Cannabis Branch where he was responsible for the Government's national drug policy, programs, and regulations, including the opioid overdose crisis response strategy and the design and implementation of *The Cannabis Act*. Prior to this, he held a range of executive positions throughout the Department.



Mary Gregory
Associate Assistant
Deputy Minister

Mary Gregory

Mary Gregory has been working in the Department since March 2012. Prior to this position, she held various senior leadership roles in the organization, including Director General of the Aerospace, Defence and Marine Branch and Executive Director of the Industrial and Regional Benefits Directorate. Before joining ISED, Mary held executive positions with the Treasury Board of Canada Secretariat and Health Canada.



INDUSTRY SECTOR (IS)



Andrew Noseworthy
Assistant Deputy Minister

Andrew Noseworthy

Andrew Noseworthy has been working in the Department since March 2016. Over the past five years, he has overseen policy and operational activities related to clean technology in Canada, including the Clean Growth Hub, and served as co-secretary to one of the Economic Strategy Tables. Prior to joining the public service in 2003, he had an 18-year career with the Government of Newfoundland and Labrador, where he held a number of senior appointments.



INNOVATION CANADA SECTOR (ICS)

Mandate

ICS is a sector formed in 2017 that serves as a collaborative platform to make it easier and faster for Canada's innovators and entrepreneurs to find and access government programs and services. Through ICS, ISED supports various industry sectors across the Canadian economy by providing funding and expert advice, and driving new collaborations. As part of this role, ICS's flagship programs and services are designed to help businesses innovate, create jobs, and grow Canada's economy. These include: the Innovation Superclusters Initiative; the Strategic Innovation Fund; Innovative Solutions Canada; the Canada Digital Adoption Program; ExploreIP (Canada's intellectual property marketplace); BizPal; Business Benefits Finder; and the Accelerated Growth Service.



INNOVATION CANADA SECTOR (ICS)



Andrea Johnston
Assistant Deputy Minister

Andrea Johnston

Andrea Johnston was appointed Assistant Deputy Minister of ICS in July 2018. She first joined the Department in May 2017 as the Director General of the Economic Strategy Tables and Skills Branch. Prior to joining the Department, Andrea had an extensive career at Agriculture and Agri-Food Canada.



Colette Kaminsky
Associate Assistant
Deputy Minister

Colette Kaminsky

Colette Kaminsky was appointed Associate Assistant Deputy Minister of ICS in 2021. She first joined the Department in September 2017 as the first Director General of the Strategic Innovation Fund. Prior to joining the Department, Colette held several leadership roles at Agriculture and Agri-Food Canada, Finance, and the Privy Council Office.



SCIENCE AND RESEARCH SECTOR (SRS)

Mandate

SRS leads the development and implementation of the Government of Canada's science and technology policy agenda to optimize federal investments in science and research, foster an innovative economy, and improve the wealth and well-being of Canadians. The sector provides advice on external research, relationships with post-secondary institutions, granting agency policy, programs, and operations; and also advises on and manages contribution agreements with a variety of external organizations. The sector also provides advice on a range of science policy issues, including the broader intramural science enterprise and international science co-operation, and leads the development of strategies to enhance the translation of Canada's research leadership in key disruptive technology areas into commercial and societal benefits for the country (e.g. quantum, AI, genomics).



Nipun Vats
Assistant Deputy Minister

Nipun Vats

Before his role in SRS, Nipun Vats held a variety of positions within the federal government, including in the Priorities and Planning Secretariat of the Privy Council Office, and in the policy and administration of the major transfer payment programs to the provinces and territories at the Department of Finance. He has also served as Secretary to a National Advisory Panel on Energy Science and Technology. Nipun also served as the lead federal official in the successful negotiation of the Canadian Free Trade Agreement.



SMALL BUSINESS AND MARKETPLACE SERVICES (SBMS)

Mandate

SBMS is responsible for small business and entrepreneurship policy and programs. It undertakes financing and venture capital policy development and coordination, oversight of the Business Development Bank of Canada, and delivery of the Canada Small Business Financing Program. The sector is active on consumer policy coordination, protecting and promoting the interests of consumers. Measurement Canada, Corporations Canada, and the Office of the Superintendent of Bankruptcy Canada are all part of SBMS. These organizations play strong regulatory management roles in the areas of trade measurement, insolvency, and federal incorporation, supporting the integrity of the marketplace and providing a competitive environment that contributes to Canada's innovation performance.



Charles Vincent
Assistant Deputy Minister

Charles Vincent

Charles Vincent has been working in the Department since February 2012 and served previously as Assistant Deputy Minister within Industry Sector from October 2020 to October 2021. Prior to that role, he held other executive positions in the Department, including being responsible for the Made-in-Canada industry mobilization initiative during the COVID-19 pandemic, and being the Director General of the Automotive, Transportation and Digital Technologies Branch. Before joining ISED, Charles served as an executive at the Treasury Board of Canada Secretariat.



SPECTRUM AND TELECOMMUNICATIONS SECTOR (STS)

Mandate

STS is responsible for regulating telecommunications equipment, extending and enhancing broadband service in rural and remote regions of Canada, and working with other organizations on the safety and security of existing and future telecommunications infrastructure. The sector's objective is to maximize the economic and social benefits that Canadians derive from the use of the radio frequency spectrum. The sector works across the Department, with other federal government departments, at the international level and with our stakeholders to support a competitive wireless industry, strong investment, cyber-resilience, and economic growth.



SPECTRUM AND TELECOMMUNICATIONS SECTOR (STS)

Eric Dagenais



Eric Dagenais
Senior Assistant
Deputy Minister

Eric Dagenais has served as Senior Assistant Deputy Minister, STS, since June 2019. He has held the post of Assistant Deputy Minister in the Department since 2015 within various other sectors. Prior to this, Eric was the Director General of the Small Business Branch; Director General, MacKenzie Gas Project Office at Environment Canada; and Director General, Investment Review of ISED.

Fiona Gilfillan*



Fiona Gilfillan
Assistant Deputy Minister

Fiona Gilfillan has worked in the telecommunications industry for over 25 years. She has been Assistant Deputy Minister in STS for over 4 years and has spent over 10 years in the sector, leading major auctions and files. Before joining ISED, Fiona worked at the Canadian Radio-television and Telecommunications Commission, where she led the Telecom Branch and was responsible for major telecommunications proceedings. She also has significant experience working for telecommunications companies, where she held senior executive positions.

*Assistant Deputy Minister Fiona Gilfillan will depart ISED, effective November 15, 2021, to take on a new role with the CRTC.



DIGITAL TRANSFORMATION SERVICE SECTOR (DTSS)

Mandate

DTSS leads the Department's digital service channels, in close collaboration with different areas of the Department, to accelerate digital services for businesses and innovators. DTSS is building new capabilities in digital transformation supported by a backbone of a modern information technology and information management infrastructure and is placing special emphasis on the power of disruptive technologies that can reduce the administrative burden for Canadians and public servants as we deliver digital services and programs.



Shaifa Kanji
Assistant Deputy Minister
and Chief Digital Officer

Shaifa Kanji

Shaifa Kanji assumed her role as Assistant Deputy Minister and Chief Digital Officer in August 2021. She began her career in the public service in 2011 and has led digital transformations in municipal government (Region of Peel) and not-for-profit (Toronto and Region Conservation Authority) organizations. Prior to joining the public sector, Shaifa worked in multiple sectors, such as telecommunications, finance, and consulting. Shaifa holds an Executive MBA from the Ivey Business School and a computer science degree from York University.



CORPORATE MANAGEMENT SECTOR (CMS)

Mandate

CMS is responsible for the comptrollership of the Department's finances, the management of human resources, the stewardship of facilities and assets, and the provision of physical and personnel security services. CMS also oversees the Department's corporate planning and accountability reporting regimes and provides strategic advice on performance measurement, risk management, the affordability of program proposals, and the integrity of grants and contributions. In addition, CMS leads the Department's efforts on the Return to the Workplace and the Future of Work.



Douglas McConnell
Assistant Deputy Minister
and Chief Financial Officer

Douglas (Doug) McConnell

Doug McConnell joined ISED in October 2019 as Assistant Deputy Minister and Chief Financial Officer, Corporate Management. He has 25 years of experience in public sector management and corporate finance and has served in senior management roles at Environment and Climate Change Canada, Public Safety Canada, and Public Services and Procurement Canada.



STRATEGIC COMMUNICATIONS AND MARKETING SECTOR (SCMS)

Mandate

SCMS connects the Department and its Ministers with the Canadian public and helps support communications for the Portfolio. SCMS reaches national-, regional-, local-, and commercial-specific audiences through our digital channels, including web and social media, television, radio, and print. The sector actively seeks to break through a competitive environment with proactive, targeted media, marketing, and online strategies. The team of about 175 professionals is responsible for media relations, ministerial communications and events, marketing and advertising, social media, consultations, issues management, and employee communications.



Vicky Eatrides
Assistant Deputy Minister

Vicky Eatrides

Vicky Eatrides was named Assistant Deputy Minister of SCMS in October 2019. Since joining the public service in 2005, she has held a variety of increasingly senior executive positions. At the Competition Bureau, Vicky served as the Senior Deputy Commissioner for Cartels and Deceptive Marketing Practices, Deputy Commissioner of Competition Promotion, Assistant Deputy Commissioner of Mergers, and Chief of Staff to the Commissioner of Competition. From 2013 to 2015, she was the Director General of Strategic Policy and Planning for the Major Projects Management Office at Natural Resources Canada. Prior to joining the public service, Vicky practised federal regulatory law at Stikeman Elliott LLP.



CANADIAN INTELLECTUAL PROPERTY OFFICE (CIPO)

Mandate

CIPO, a special operating agency of the Department, is responsible for administering Canada's system of intellectual property (IP) rights: patents, trademarks, copyrights, industrial designs, and geographical indications. CIPO is also an international searching authority and international preliminary examining authority under the Patent Cooperation Treaty administered by the World Intellectual Property Organization. CIPO's mandate is to deliver high quality and timely IP products and services to clients, and to increase awareness, knowledge, and effective use of IP by Canadians. This mandate, along with the directions outlined in CIPO's business strategy, contributes to the strategic outcomes of the organization.



Konstantinos Georgaras
Chief Executive Officer
(Interim)

Konstantinos Georgaras

Konstantinos Georgaras joined CIPO in 2010 and was appointed as Chief Executive Officer (interim) in fall 2020. He also represents Canada at the World Intellectual Property Organization, one of the specialized agencies of the United Nations. He began his career in the public service in 1984 and has held strategic and executive positions within the departments of Innovation, Science and Economic Development Canada and Human Resources and Skills Development Canada, and within the Science, Technology and Innovation Council. He has extensive experience spanning strategic, economic, and legislative policy, with direct responsibilities for IP, innovation, insolvency, and industrial and labour market policies.

Konstantinos holds a Master of Arts in Public Administration from Carleton University and an Executive Certificate in Public Leadership from the John F. Kennedy School of Government at Harvard University.



COMPETITION BUREAU (CB)

Mandate

CB, as an independent law enforcement agency, ensures that Canadian businesses and consumers prosper in a competitive and innovative marketplace. The Bureau is responsible for:

- administering and enforcing the *Competition Act*, the *Consumer Packaging and Labelling Act*, the *Textile Labelling Act*, and the *Precious Metals Marking Act*;
- advocating for competition at all levels of government; and
- promoting corporate compliance and consumer awareness through outreach.

Competition leads to lower prices, higher quality goods and services, and higher levels of innovation and business efficiency, and is thus a key driver of broad-based economic growth. The Bureau protects and promotes competition in the marketplace, saving Canadians an estimated \$2.8B per year through actions that stop anti-competitive conduct and deceptive marketing. The Bureau continues to set a course to tackle the emerging challenges of the digital economy, and ensure that competition can underpin a strong post-pandemic recovery.



Matthew Boswell
Commissioner of
Competition

Matthew Boswell

Matthew Boswell was appointed Commissioner of Competition on March 5, 2019, for a five-year term. Prior to his appointment, he served as a Senior Deputy Commissioner. Before joining CB, he was Senior Litigation Counsel in the Enforcement Branch at the Ontario Securities Commission (OSC), where he prosecuted securities fraud and other white-collar crimes. Prior to his work at the OSC, Matthew was an Assistant Crown Attorney in Toronto with the Ministry of the Attorney General of Ontario.



AUDIT AND EVALUATION BRANCH (AEB)

Mandate

AEB provides independent, professional, and quality audit, evaluation, and practice management services founded on sound values and ethics to support informed decision-making and enhanced performance and accountability. It also fulfills the Department's obligations under the Treasury Board of Canada Secretariat's policies, directives, and standards on internal audit and evaluations, as well as conformance with the Institute of Internal Auditors international standards.



Denis Martel
Chief Audit Executive
and Director General

Denis Martel

Denis Martel was appointed Chief Audit Executive and Director General, Audit and Evaluation, in January 2021. He has been with the Department since 2007 where he has worked as an executive in different functional areas: in program delivery (Strategic Innovation Fund), legislative and regulatory development (Patent Policy), as well as on economic research on small business and entrepreneurship. Prior to that, he held positions at the Privy Council Office and Finance Canada.



LEGAL SERVICES (LS)

Mandate

ISED's LS is a departmental legal services unit that is a part of the Business and Regulatory Law Portfolio of the Department of Justice. LS strives to deliver timely and effective professional legal services to all sectors of ISED, as well as to other government departments and agencies of the ISED Portfolio, according to the service agreements and standards set by the Department of Justice.



Alain Vaclair
Senior General Counsel
and Executive Director

Alain Vaclair

Alain Vaclair has been Senior General Counsel and Executive Director for the Portfolio's Legal Services (Department of Justice) since September 2018. From 2013 to 2018, he was the Senior General Counsel and Executive Director for the Public Services and Procurement Canada and Shared Services Canada LS. He was also responsible for the creation and launch of Department of Justice's Centre of Expertise in Procurement Law in 2017.



OVERVIEW OF ISED BUDGET

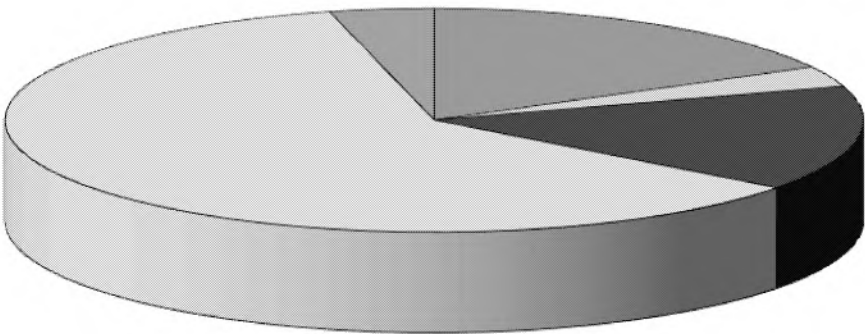




DEPARTMENTAL BUDGET

ISED's resources support 3 Core Responsibilities in the Departmental Results Framework (DRF)

2021–2022 Budget: \$5,473.8M



Note: Total budget includes spendable revenues. It also includes funding related to TB submissions that were approved as of September 2, 2021.

- **People, Skills and Communities**

\$ 938.4M (17%)

Ensures Canada has a highly skilled workforce that is equipped for jobs in an innovative and high-growth economy (e.g. digital literacy). Canadian communities are connected to and use digital infrastructure (e.g. broadband and spectrum). Canada's entrepreneurs represent all segments of Canadian society (e.g. women, Indigenous peoples).
- **FedNor**

\$ 162.1M (3%)

Currently included in People, Skills and Communities, is FedNor, which became a stand-alone organization as of August 12, 2021, per the Order in Council 2021-0844
- **Science, Technology, Research and Commercialization**

\$ 833.9M (15%)

Canadian businesses invest more in R&D. Canada has world-leading research capacity (e.g. support for not-for-profit research organizations). Ensures world-leading superclusters are grown in Canada.
- **Companies, Investment and Growth**

\$3,323.9M (61%)

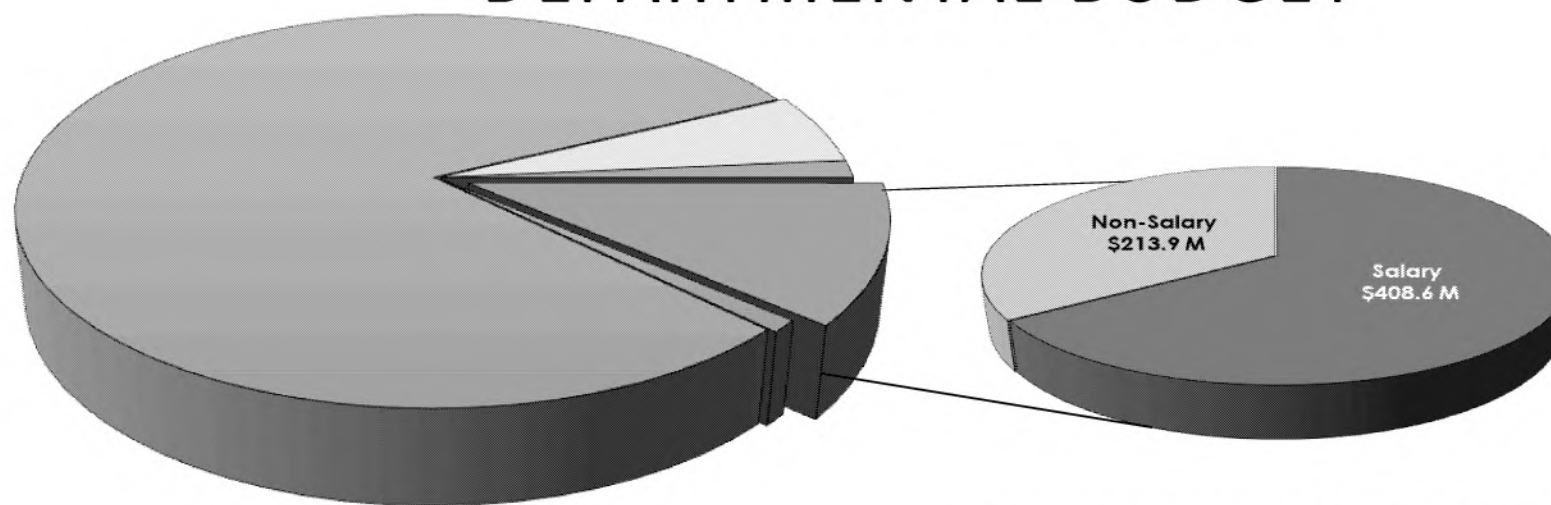
Ensures Canada becomes a global leader in clean technologies (e.g. Strategic Innovation Fund Net Zero Accelerator). Canadian companies are globally competitive and achieve high growth (e.g. IP and venture capital support, competition law enforcement). Canada is a location and destination of choice for investment, growth, and tourism. Canadian innovators have simplified access to tools and support.
- **Internal Services**

\$ 215.5M (4%)

These resources support the management of the Department, including finance, human resources, information technology, communications, etc.



DEPARTMENTAL BUDGET



■ Operating :	\$622.5 M
■ Capital:	\$54.8 M
■ Grants & Contributions (incl. Statutory):	\$4,399.9 M
■ Respendable Revenues:	\$318.4 M
■ Employee Benefit Plans:	\$78.1 M

Salary expenses account for 66% of ISED's operating budget

- **Operating Vote** – for expenses incurred in the course of delivering program outputs, such as personnel costs, office supplies, repair and maintenance, consulting fees, operating leases, etc.
- **Capital Vote** – for the acquisition or development of capital assets (when capital expenditures exceed \$5M).
- **Grants and Contributions Vote** - for transfers of money (as a grant or a contribution) to an individual, an organization, or another government.
- **Respendable Revenue** - inflow of cash or receivables from the sale of goods or the rendering of services.
- **Employee Benefit Plan** - for expenses, such as superannuation, Canada Pension Plan, and severance pay, that are not incurred directly by ISED.

**Departmental budget for 2021–2022 includes \$162.1M for FedNor, which became a stand-alone organization, starting August 12, 2021, per the Order in Council 2021-0844.*



OVERVIEW OF PORTFOLIO BODIES





OVERVIEW OF PORTFOLIO ORGANIZATIONS

The ISED Portfolio is made up of the following organizations:

Departmental corporations, agencies, and councils have a relationship to the Ministers which is operationally similar to government departments with some important exceptions. For example, the granting councils (NSERC and SSHRC) make research funding decisions based on the outcomes of independent peer review processes.

- Canadian Space Agency (CSA)
- Statistics Canada (STC)
- National Research Council Canada (NRC)
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- Social Sciences and Humanities Research Council of Canada (SSHRC)

Crown corporations are arms-length from the Government and are governed by a board of directors appointed by the Governor in Council on the recommendation of the Ministers of ISED.

- Destination Canada (DC)
- Standards Council of Canada (SCC)

Quasi-judicial tribunals are arms-length decision-making bodies, established through legislation, which operate independently from government.

- Copyright Board Canada (CB)
- Competition Tribunal (CT)



Lisa Campbell
President

Budget: \$404M*

FTEs: 723**

Headquarters: St-Hubert, QC

*2021–2022 Main Estimates

(A-Base: \$260M)

**2020–2021 Departmental Plan

CANADIAN SPACE AGENCY (CSA)

Mandate

The CSA promotes the peaceful use and development of space, advances our knowledge of space through science, and ensures that space science and technology provide social and economic benefits for Canadians. It co-operates with the space and space-related agencies of other countries in the peaceful use and development of space.

The CSA's major activities include:

- assisting the Minister to coordinate the space policies and programs of the Government;
- planning, directing, managing, and implementing programs and projects relating to scientific or industrial space research and development and the application of space technology;
- promoting the transfer and diffusion of space technology to and throughout Canadian industry; and
- encouraging commercial exploitation of space capabilities, technology, facilities and systems.

Governance

The President is appointed by the Governor in Council and is responsible for the Agency's day-to-day operations, reporting directly to the Minister of Innovation, Science and Industry.

Lisa Campbell was appointed to her current position in September 2020. Canada's activities in space are guided by the 2019 Space Strategy, Exploration, Imagination, Innovation, which outlines the importance of space as a strategic national asset that is used to deliver broad socio-economic and scientific benefits to improve the lives of Canadians



STATISTICS CANADA (STC)

Mandate



Anil Arora
Chief Statistician

STC has two main objectives: (1) to provide statistical information and analysis about Canada's economic and social trends; and (2) to promote sound statistical standards and practices, both domestically and internationally.

STC is solely responsible for carrying out the censuses of population and agriculture every five years, along with hundreds of collections and statistical releases as part of regular operations.

Governance

The Chief Statistician advises on statistical programs of departments and agencies, supervises the administration of the *Statistics Act*, and is responsible for STC's day-to-day operations and staff. The *Statistics Act* is the primary legislation that provides STC its authority, and was amended in 2017 to reinforce STC independence to ensure the ongoing impartiality and objectivity of the national statistical system. The Canadian Statistics Advisory Council is mandated to advise the responsible Minister and Chief Statistician on the overall quality of the national statistical system. It will also release an annual report on the state of the national statistical system.

Budget: \$922M*
FTEs: 6,589 nationally
8 regional offices; 35 research
data centres
*2021–2022 Main Estimates



NATIONAL RESEARCH COUNCIL CANADA (NRC)

Mandate

As Canada's largest federal research and development organization, the NRC supports business innovation, provides science-based support for public policy mandates, and advances scientific and technical knowledge. With a presence in every province, the NRC has the national reach and broad scientific and technical expertise to undertake large-scale, mission-oriented research and development programs. In addition, the NRC's responsibilities include conducting metrology activities that underpin Canada's industrial competitiveness and trade, providing effective stewardship for the National Building Code, and operating Canada's astronomical observatories and Canada's National Science Library. The NRC combines its strong national foundation with international linkages to help Canada grow in productivity and remain globally competitive.



Iain Stewart
President



Dr. Douglas Muzyka
Chairperson,
NRC Council

Governance

The President, members of the NRC Council, and the NRC Council Chairperson are appointed by the Governor in Council on the recommendation of the responsible ministers. The responsible ministers provide strategic direction to the NRC President, who is responsible for the NRC's day-to-day operations. The NRC Council reviews strategic directions, plays a challenge function, and provides advice to the President. Members bring an independent perspective based upon knowledge and expertise in fields of importance to the NRC's mandate.

Budget: \$1.8B*

FTEs: 4,262*

Headquarters: Ottawa, ON

*Snapshot as of May 2021



NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA (NSERC)

Mandate



NSERC promotes and supports post-secondary research and innovation in the natural sciences and engineering by funding researchers, students, and research projects, and through development partnerships with industry.

Dr. Alejandro Adem
President

Budget: \$1.380B*
FTEs: 465
Headquarters: Ottawa, ON
*2021–2022 Departmental
Plan

Governance

The President and members of NSERC's Council are appointed by the Governor in Council on the recommendation of the responsible Minister. The Council is chaired by a Vice-President elected from among the Council members (subject to Governor in Council approval). The President is the chief executive officer and is responsible for NSERC's day-to-day operations. Funding decisions are approved by the President on the basis of recommendations made by peer review committees.



SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL OF CANADA (SSHRC)



Dr. Ted Hewitt
President

Budget: \$1,005M*
FTEs: 304
Headquarters: Ottawa, ON
*2021–2022 Main Estimates

Mandate

SSHRC promotes and supports post-secondary research in the social sciences and humanities by funding researchers, students, and research projects, and through partnerships with partners from all sectors.

Governance

The President and members of SSHRC's governing council are appointed by the Governor in Council on the recommendation of the responsible Minister. The Council is chaired by a Vice-President elected from among the Council members (subject to Governor in Council approval). The President is the chief executive officer and is responsible for SSHRC's day-to-day operations. Funding decisions are approved by the President on the basis of recommendations made by peer review committees.



BUSINESS DEVELOPMENT BANK OF CANADA (BDC)



Isabelle Hudon
President and
Chief Executive Officer



Mike Pedersen
Chairperson

Mandate

The BDC supports Canadian entrepreneurship with a focus on small and medium-sized enterprises, serving over 72,000 entrepreneurs across Canada. Mandated to be a complementary lender in the market, BDC's loans and investments are intended to supplement or complete services available from commercial financial institutions.

Governance

The Chairperson, the Board of Directors, and the President and Chief Executive Officer are appointed by the Governor in Council on the recommendation of the responsible Minister. The President is responsible for BDC's day-to-day operations.

FTEs: 2,500
Headquarters: Montreal, QC
2020–2021 Annual Operating
Budget: \$674M



DESTINATION CANADA (DC)

Mandate

DC works to sustain a vibrant and profitable Canadian tourism industry. It does so by conducting research on tourism trends and market opportunities, and marketing Canada as a tourism destination in the Americas, Europe, Asia, and Australia in order to grow tourism export revenues in markets where the Canada brand plays a leadership role. DC's regional structure allows it to adjust its marketing programs to reflect changing market conditions and to capitalize on new marketing opportunities as they arise.



Marsha Walden
President and
Chief Executive Officer
Effective August 24, 2020



The Honourable Liza Frulla
Chairperson
Effective August 6, 2021

Governance

The President, Chairperson, and directors of the Board of DC are appointed by the Governor in Council on the recommendation of the responsible Minister. The President is responsible for DC's day-to-day operations. The *Canadian Tourism Commission Act* identifies the Deputy Minister of ISED as ex-officio director.

Budget: \$96M*

FTEs: 117 (in 2021)

Headquarters: Vancouver, BC

**2021–2022 Main Estimates*



STANDARDS COUNCIL OF CANADA (SCC)



Chantal Guay
Chief Executive Officer

Mandate

SCC promotes efficient and effective voluntary standardization in Canada, where standardization is not expressly provided for by law, in order to advance the national economy; support sustainable development; benefit the health, safety, and welfare of workers and the public; assist and protect consumers; facilitate domestic and international trade; and further international co-operation in relation to standardization.



Colin Clark
Acting Chair

Governance

The Chair, Council Members, and Chief Executive Officer are appointed by the Governor in Council on the recommendation of the Minister. The Council has oversight for the operations of SCC. The Chief Executive Officer has responsibility for SCC's day-to-day operations.

Budget: \$18M*

FTEs: 140

Headquarters: Ottawa, ON

**2020–2021 Main Estimates*



COPYRIGHT BOARD OF CANADA

Mandate

The Copyright Board is an independent administrative tribunal and economic regulator established under the *Copyright Act* with a mandate to intervene in three areas, namely approving tariffs for content whose rights are managed by collective societies, the granting of licences for the use of content for which the right owners cannot be found, and arbitration in the event a collective society and users cannot agree on royalties.

Decisions by the Board have general application and must be fair, equitable, and timely; be based on solid legal and economic principles; and consider evolving business models and technologies as well as the public interest.

Governance

Members of the Board, including the Chair and Vice-Chair, are appointed by the Governor in Council on recommendation of the Minister of Innovation, Science and Industry.

The Chair oversees the judicial mandate of the Board and must be a judge, either sitting or retired, of a superior court. The Vice-Chair and Chief Executive Officer is the only full-time appointee and is responsible for the supervision and direction of the Board and its staff.



**The Honourable
Luc Martineau**
Chair



Nathalie Théberge
Vice-Chair and
Chief Executive Officer

Budget: \$4.2M*

FTEs: 26

Headquarters: Ottawa, ON

*2020–2021 Main Estimates



COMPETITION TRIBUNAL (CT)

Mandate

The CT is a quasi-judicial tribunal, arms-length from government that was created in 1986 by the *Competition Tribunal Act*. Its mandate is to hear applications and issue orders related to the civil reviewable matters set out in *Competition Act* Parts VII.1, which deals with deceptive marketing practices, and VIII, which deals with restrictive trade practices. It also hears references filed pursuant to section 124.2 of the *Competition Act*.

Matters before the Tribunal are usually of national interest and large in scope and complexity, and can involve significant financial stakes and directly impact on the competitiveness of private enterprise and industry. All proceedings before the Tribunal are dealt with as informally and expeditiously as the circumstances and considerations of fairness permit.

Governance

The CT consists of not more than six members from among the judges of the Federal Court, including the Chairperson, appointed by the Governor in Council on the recommendation of the Minister of Justice, and not more than eight lay members appointed by the Governor in Council on the recommendation of the responsible Minister.

The Tribunal is supported by a Secretariat which provides all administrative, financial, and human resources support required for the proper conduct of the CT's business. The Secretariat is also the repository for the filing of applications and documents, as well as issuing documents and orders for all cases brought before the Tribunal. The Secretariat is part of the Administrative Tribunal Support Service of Canada, a portfolio of the Minister of Justice.



**Honourable Denis
Gascon**

Chairman of the Tribunal

Headquarters: Ottawa, ON

Note: Budget combined

with that of other

Tribunals under the

Administrative Tribunals

Support Service of Canada



CANADIAN ECONOMIC SNAPSHOT



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



This section presents a snapshot of the current state of the Canadian economy. It covers the following topics:

The structure of the economy and trends

The pandemic and the economic recovery

An economic snapshot by region

THE CANADIAN ECONOMY IN A SNAPSHOT

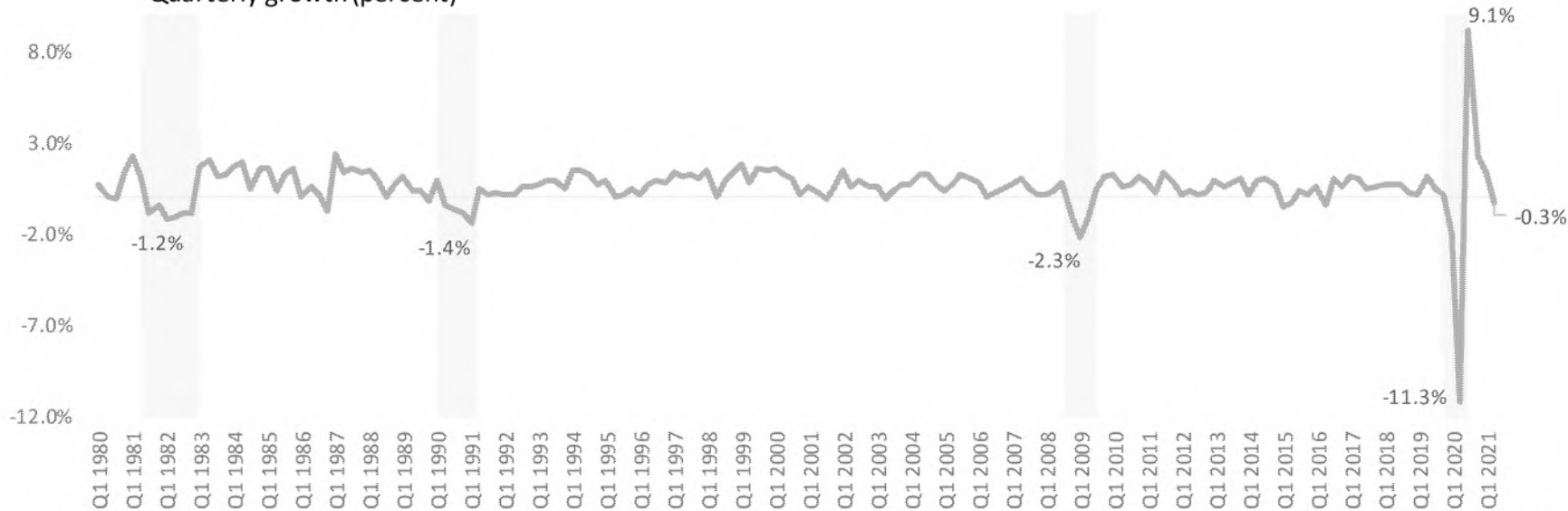
Note: Data compiled based on published sources as of October 22nd 2021



Major economic indicators in Canada are slowly returning to pre-pandemic levels

Real GDP growth

Quarterly growth (percent)



Source: Statistics Canada, updated Aug 31 2021

Last data: 2021Q2



Q2 2021

GDP
\$2,463B

GDP/capita
\$64,567

Exports
\$727B

Business
investment
\$482B

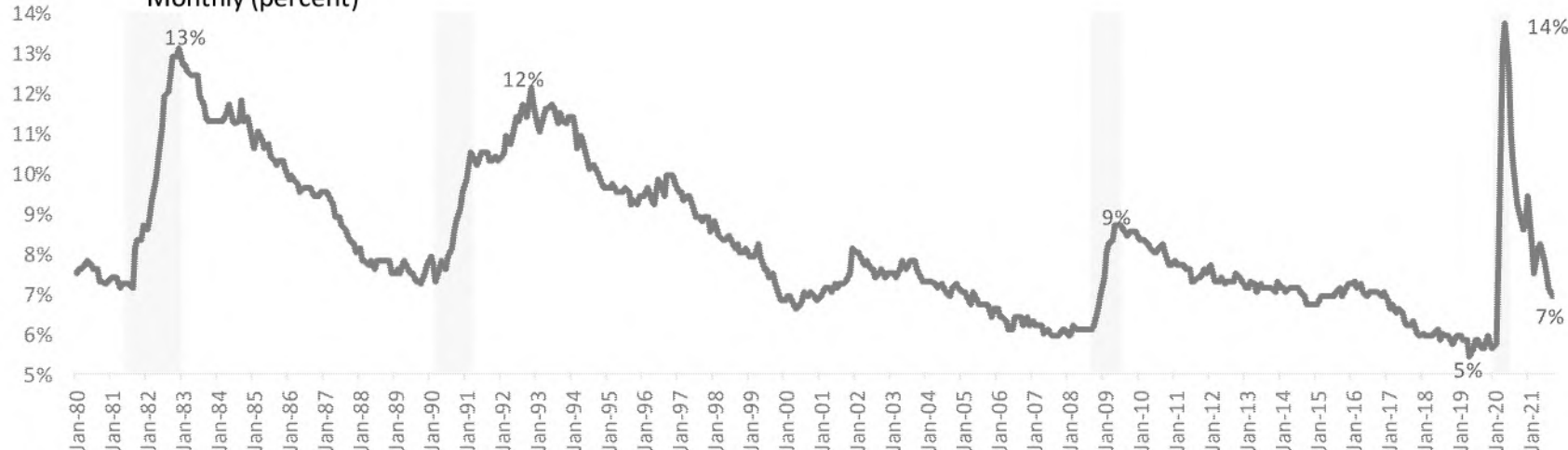
Canada has the 9th largest economy in the world

Open economy with exports at more than a quarter of GDP

Top export markets include US, China, and the UK.

Unemployment rate

Monthly (percent)



Source: Statistics Canada, updated Oct 8 2021



Sept 2021

Employment
19.1M

Participation rate
65.5%

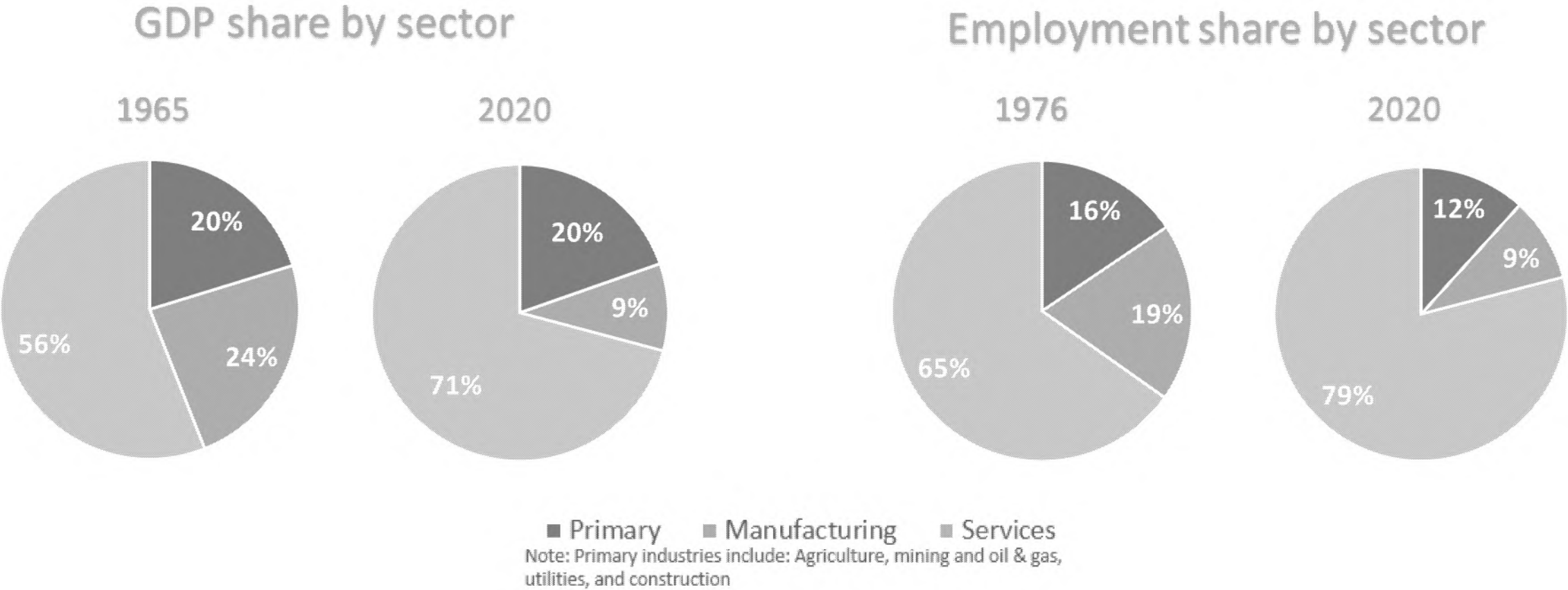
Working-age
population
31.4M

Before the pandemic, unemployment reached lowest rate in more than 40 years

The economy reached pre-pandemic employment levels in September

80

Manufacturing's share of employment and GDP has been on the decline since the 1970s, while services have steadily increased.

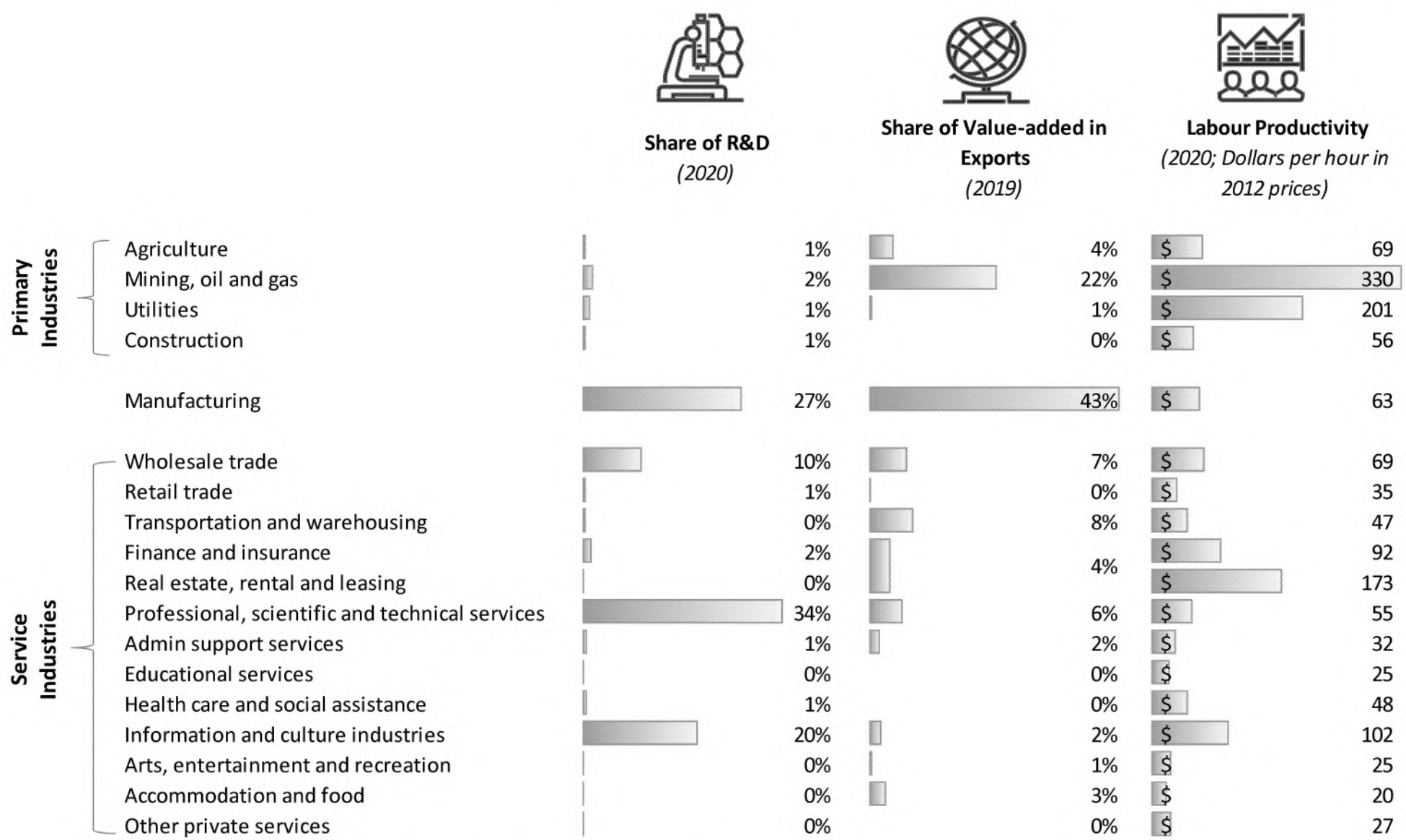


Canada is relatively more reliant on resources compared to many other developed nations.

Source: Statistics Canada; GDP data updated Oct 1 2021; Emp data updated Oct 8 2021



Research and development (R&D) spending and exports are concentrated in a few sectors, with manufacturing remaining a major player despite its decline



The resource sector is the most productive, followed by utilities and some service sectors requiring skilled labour.

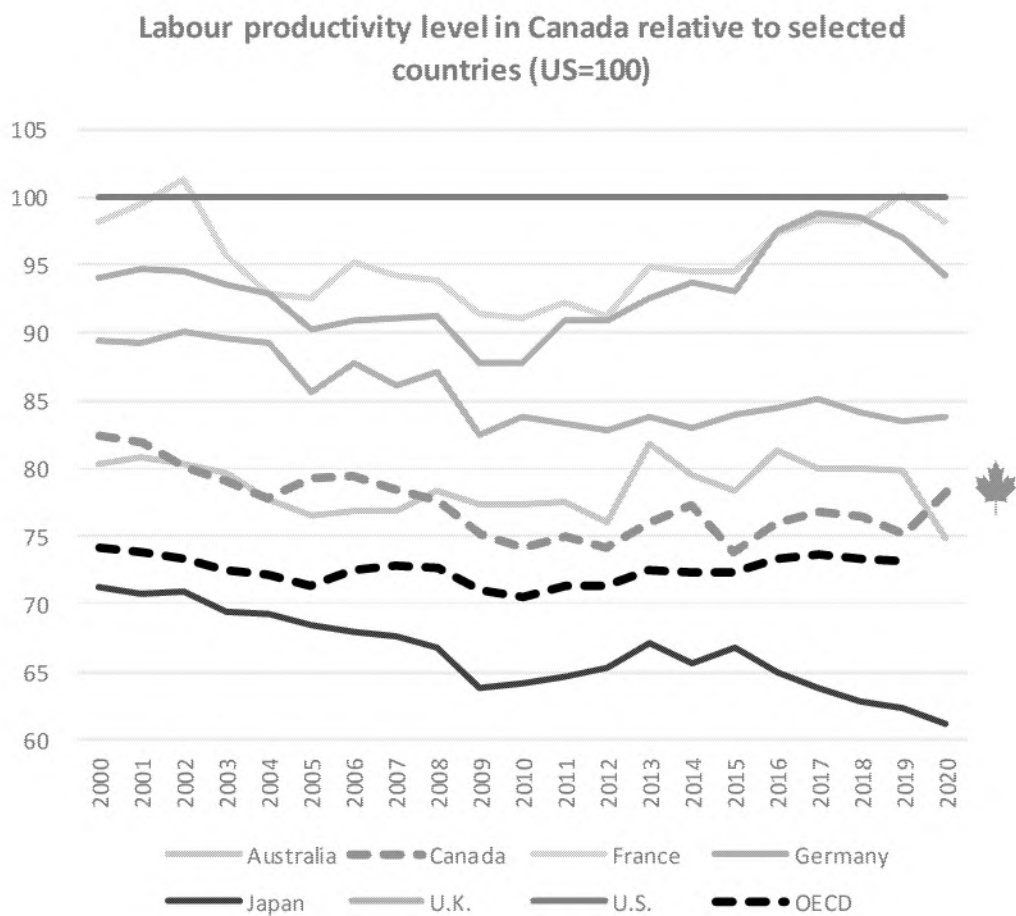
Source: Statistics Canada; R&D updated Aug 24 2021; exports updated Jun 11 2021; productivity updated May 20 2021.
Note: R&D and Export values do not sum to 100% due to rounding.

For many decades, Canada underperformed relative to its peers in terms of labour productivity and innovation performance

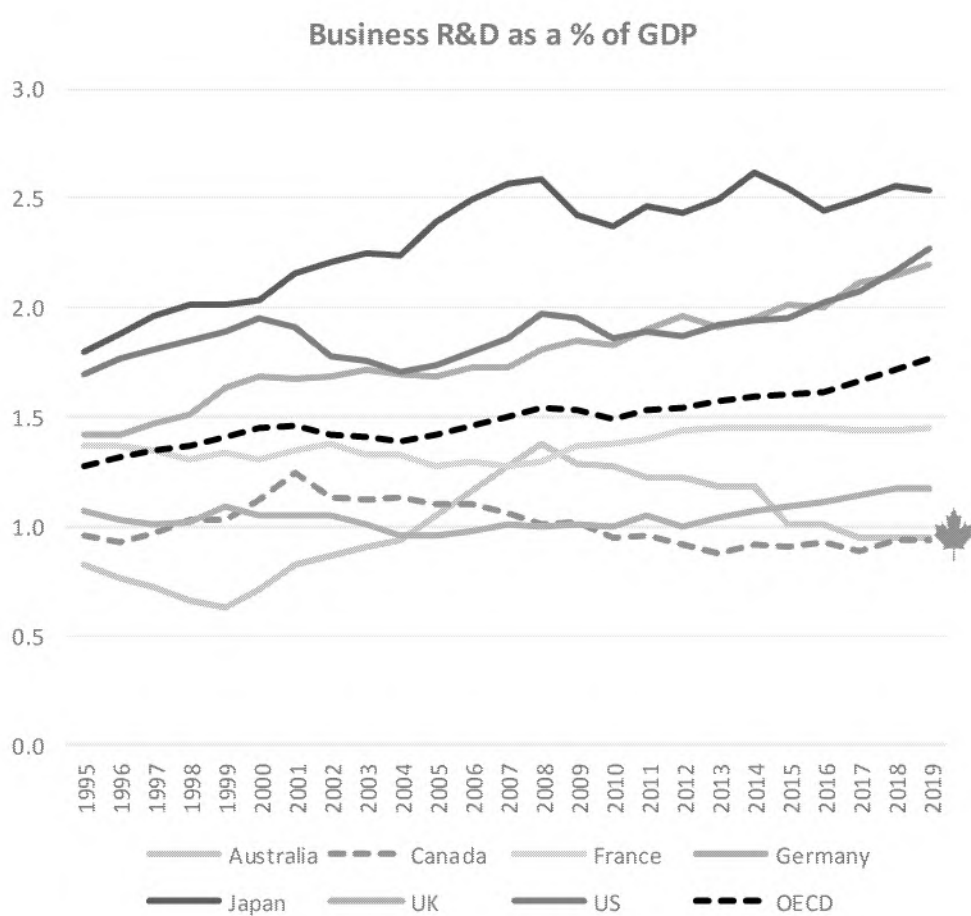


Despite lagging in level, productivity growth in Canada was close to US growth in the past decade.

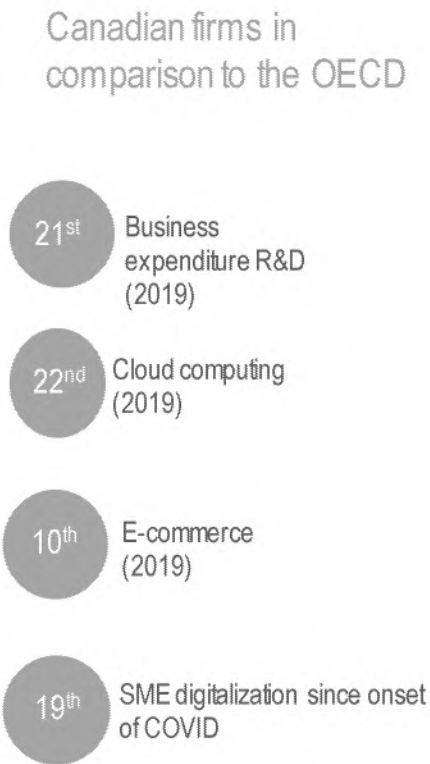
Canada is not a top performer in innovation, technology adoption and R&D, which could hold back productivity from catching up.



Source: OECD Productivity Statistics Database; updated July 12 2021.



Source: OECD Main Science and Technology Indicators (updated Sept 15 2021); Statistics Canada (updated Aug 24 2021).



Source: OECD, Statistics Canada

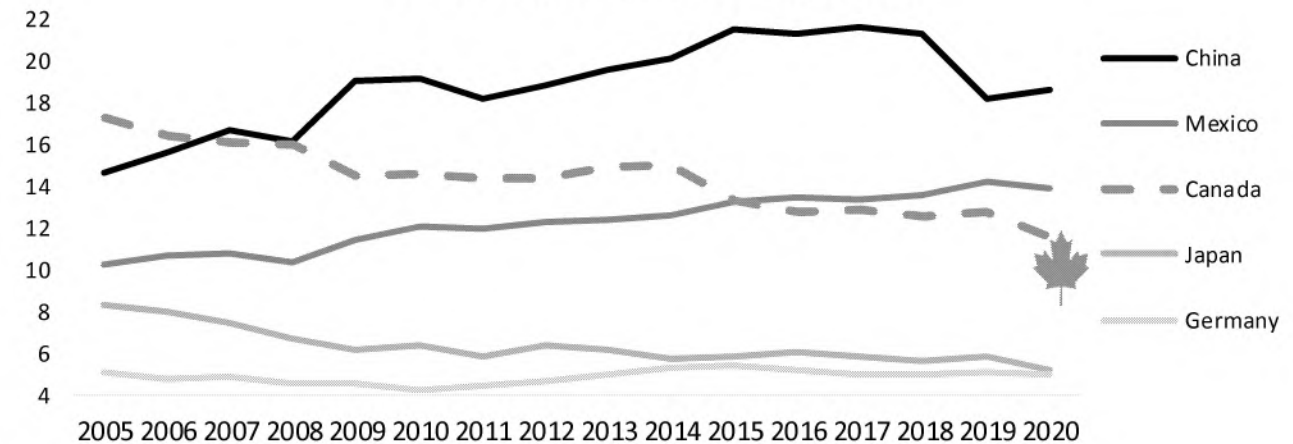


Headwinds are also weighing on the Canadian economy

- Demographic forces
- Decline in competitiveness
- Transition to low carbon

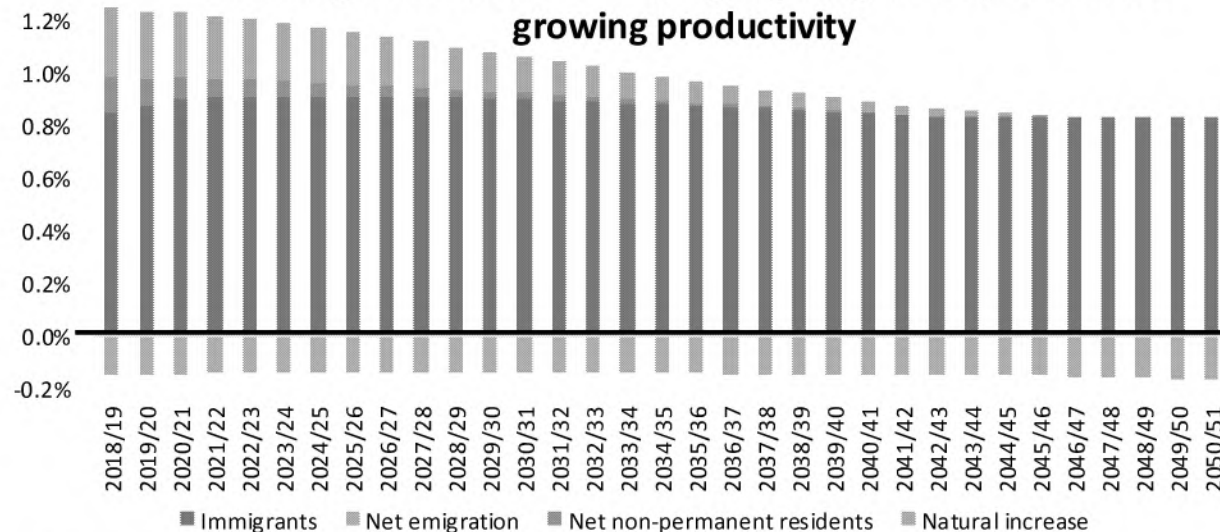
Canada's share of US goods imports steadily decreased over the last two decades

Country's share in US goods imports (%)



Source: United States International Trade Commission; updated Jun 29 2021.

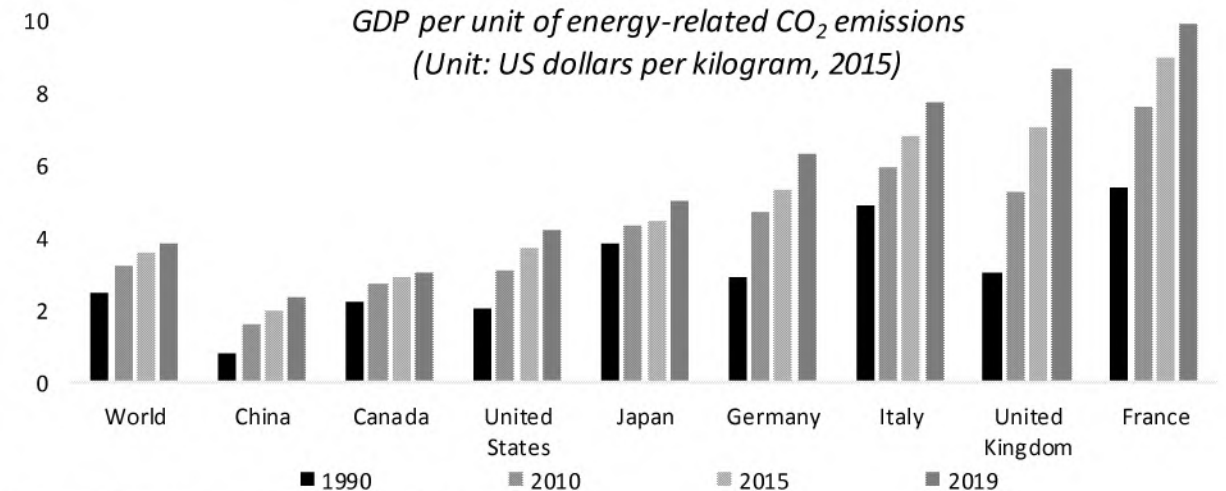
Canada's population growth is expected to depend entirely on immigration in the 2040s, highlighting the importance of growing productivity



Source: Statistics Canada; updated Sept 17 2021

Canada has a more carbon intensive economy that creates less wealth per unit of CO₂ emitted compared to most OECD countries (ranks 36th out of 38)

GDP per unit of energy-related CO₂ emissions
(Unit: US dollars per kilogram, 2015)

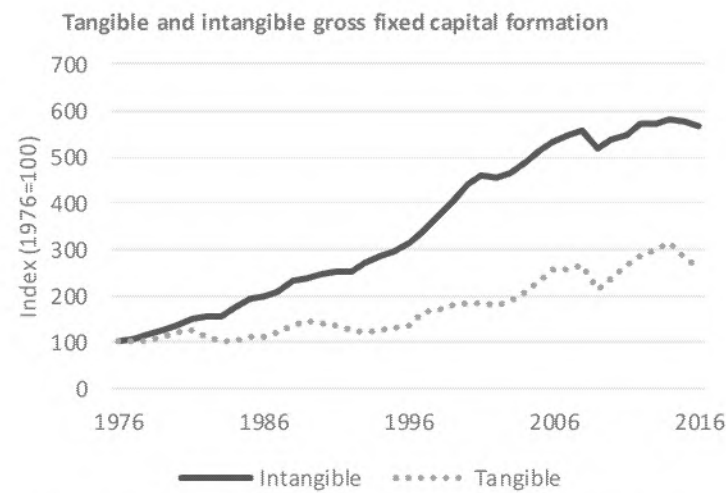


Source: OECD Green Growth Database; updated Dec 2020



The intangible economy is growing fast, and digital transformation will be a key factor in unlocking Canadian productivity and competitiveness

In Canada, and elsewhere, investments in intangibles have outpaced investment in physical assets.



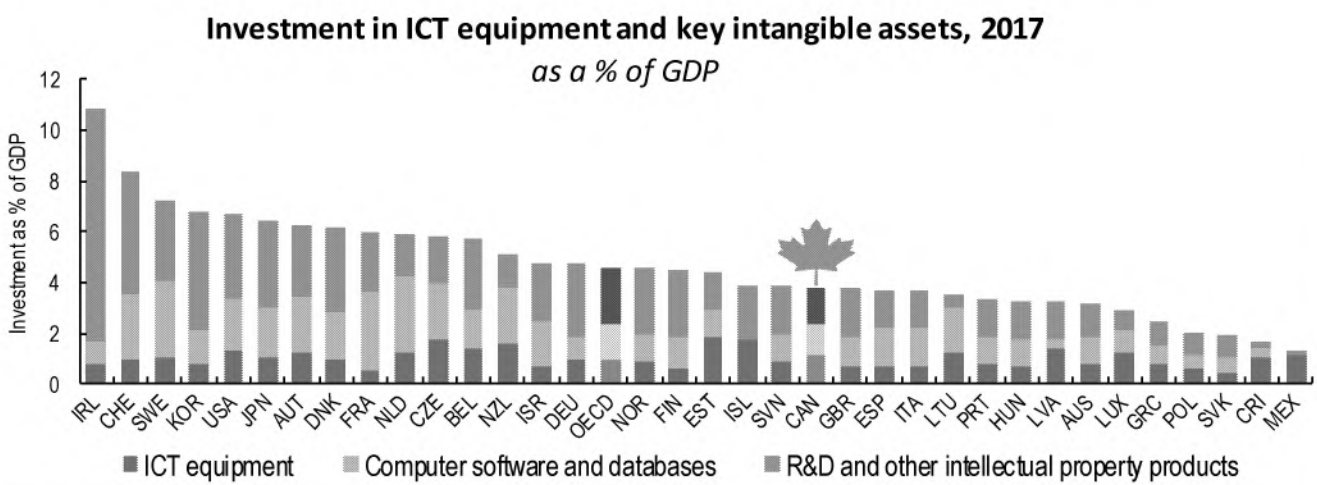
Source: Statistics Canada 2020, Business Sector Intangible Capital and Sources of Labour Productivity Growth in Canada

Nevertheless, businesses in Canada adapted to the pandemic by accelerating use of digital technologies.



Source: Statistics Canada; updated Oct 22 2021

However, Canada has lagged its OECD peers in investments in intangibles and digital technologies.



Source: OECD 2019, Measuring the Digital Transformation

Proportion of businesses who adopted or incorporated new digital technologies in 2020

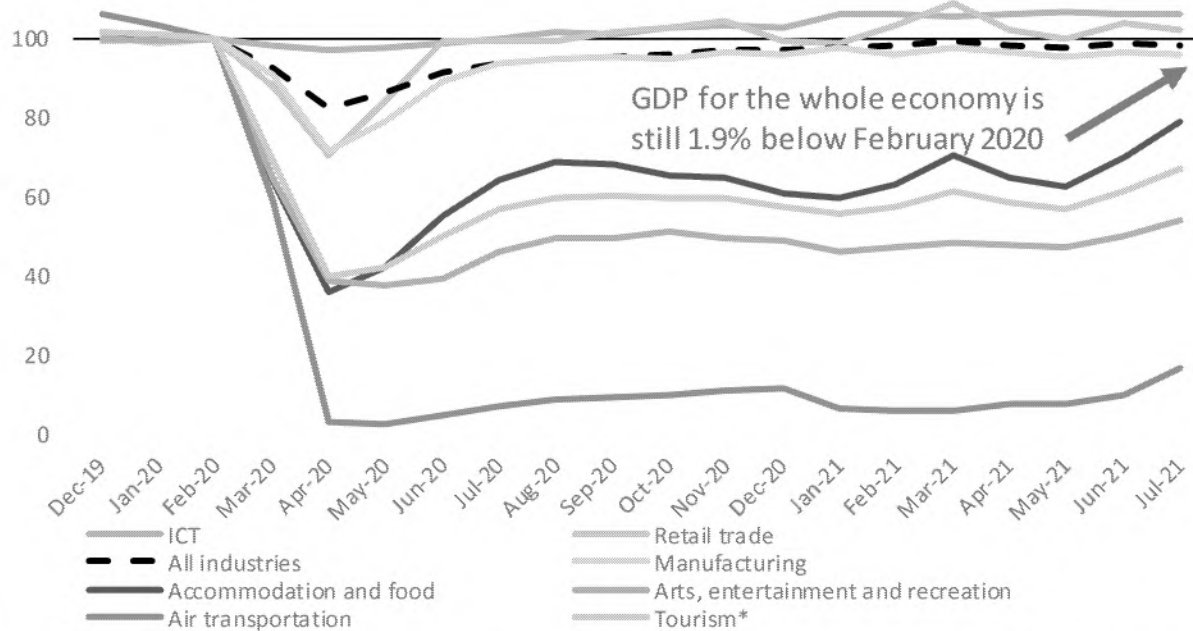


Source: Statistics Canada Canadian Survey on Business Conditions, 2021 Q1



The impact of the pandemic remains uneven across sectors, and the recovery is expected to take some time

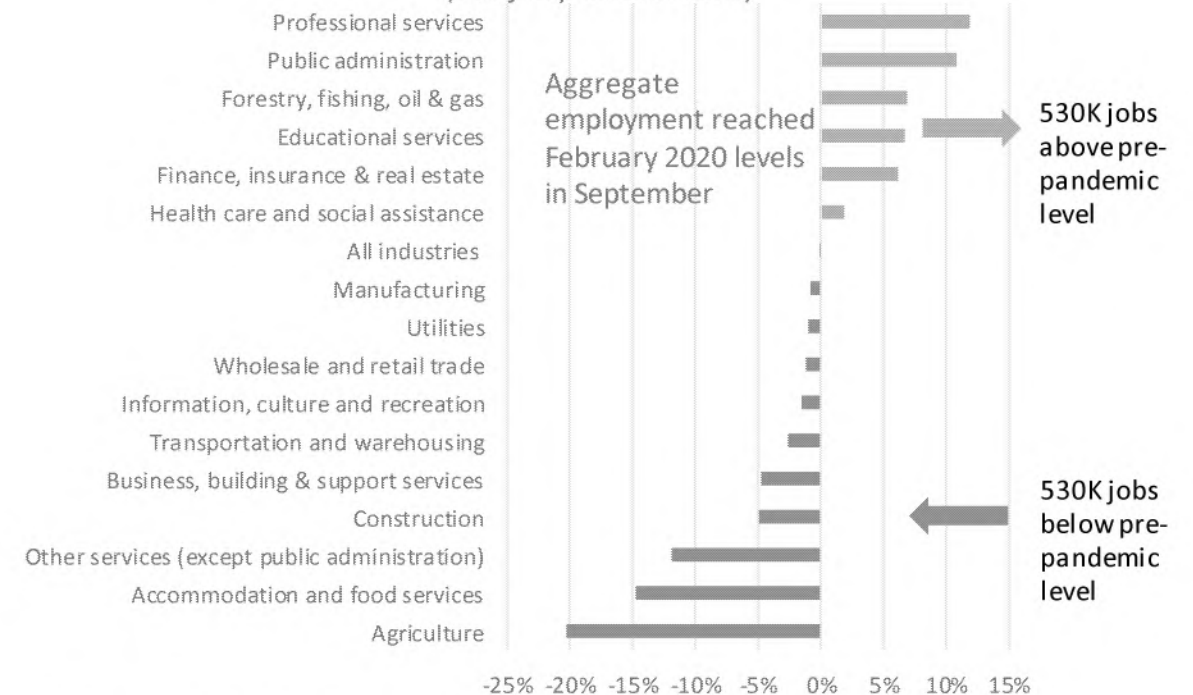
The recovery is under way in most sectors, but remains depressed in sectors involving high-contact services
(GDP Index February 2020 = 100)



Source: Statistics Canada, updated Oct 1 2021

Last date: July 2021

Employment has recovered in a few sectors
(as of September 2021)



Source: Labour Statistics Canada, updated Oct 8 2021

While under way, there are indications the recovery could take time:

- The level of economic activity in hard-to-distance sectors (e.g. tourism-related industries) remains well below pre-pandemic level.
- Supply chain issues may persist and weigh on Canadian exports and imports.
- Many sectors are currently experiencing labour shortages, and the number of long-term unemployed remains elevated.
- There remains uncertainty around the evolution of the pandemic and possible further waves.

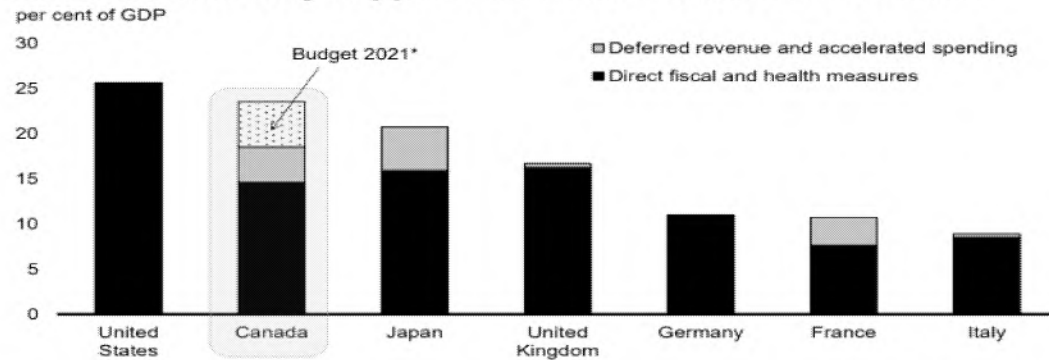
What's up with inflation?

- Inflation reached 4.4% (year-over-year) in September 2021, the fastest pace since February 2003.
- While inflation is expected to ease towards the middle point (2%) of the Bank of Canada's target range, inflation may remain high in the coming months.
- Temporary factors pushing up inflation include higher gasoline, food and home prices. Issues with supply chains also contributed to high inflation in September, reflected in higher prices for passenger vehicles due to shortages of semiconductor chips.



Canada provided significant support to firms to navigate the pandemic, the majority of it through wage subsidy and interest-free loans

Significant Fiscal Policy Support Announced across G7 Countries

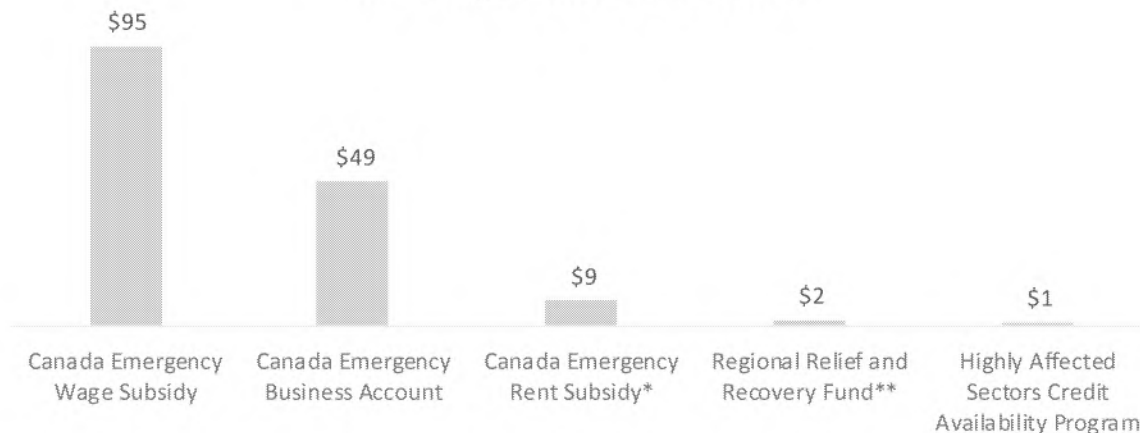


Notes: The timeframe for the announced measures is country-specific. Excludes the proposed *American Jobs Plan* for the U.S. (unveiled March 31, 2021) and Germany's supplementary budget for 2021 and Budget 2022 planned net new borrowing (unveiled March 24, 2021).

* Includes commitments made in Chapter 3 of the 2020 *Fall Economic Statement* and policy actions since, including Budget 2021.

Source: International Monetary Fund, April 2021 *Fiscal Monitor*, includes announced measures as at March 17, 2021; Department of Finance Canada calculations.

Funding to date (\$ Billions)



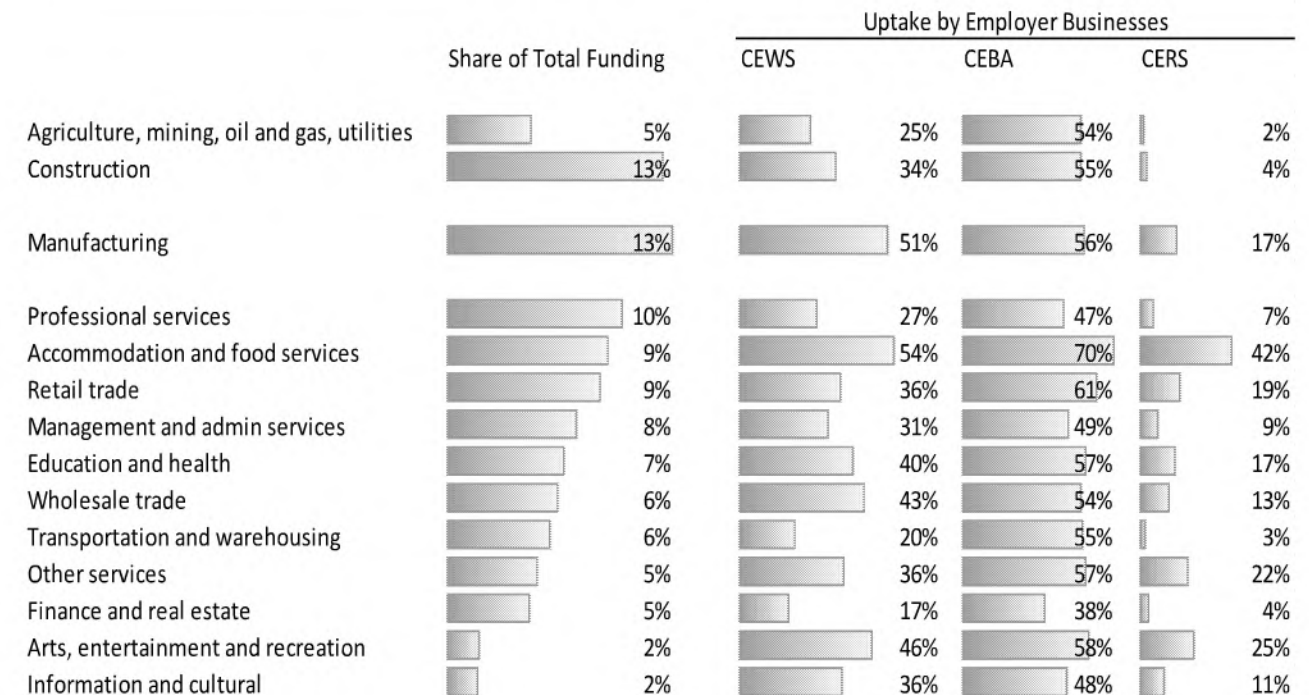
Note: Funding figures as of October 10, 2021 (CEWS, CERS), October 7, 2021 (CEBA), June 30 2021 (HASCAP).

*Includes support from both the Canadian Emergency Rent Subsidy and its predecessor (Canadian Emergency Commercial Rent Assistance)

**Value is total funding for the program; other program values are for approved claims.

Industries receiving the most support in terms of dollar values were harder hit (e.g., accommodation and food services) or employing workers paid higher wages (e.g., manufacturing).

Uptake (share of firms claiming support) was widespread across the economy and especially high in hard-hit sectors.



Note: Share and uptake % based on ISED internal analysis on CEWS, CEBA, CERS and CECRA program data linked to tax data as of Feb 15, 2021, Jan 26 2021, Apr 12 2021, and Mar 14 2021.



Small businesses are economically important and were hard hit by the pandemic

Vast majority of businesses are small (98% have less than 100 employees); these businesses employ 64% of workers.

Distribution of Employer Businesses, 2020



- Small (1-99 employees)
- Medium (100-499 employees)
- Large (500+ employees)

Distribution of Employment, 2020



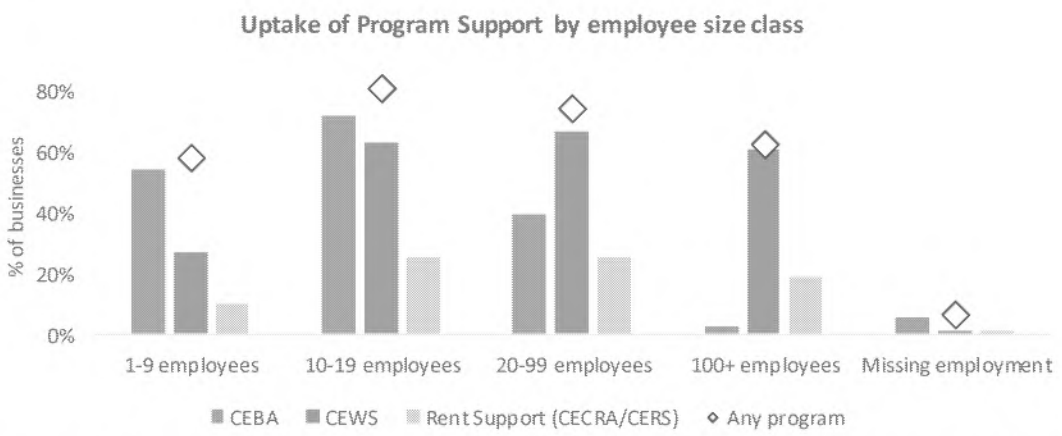
Small businesses accounted for 36% of net employment growth from 2014–2019....
... and, 84% of the decline from 2019–2020.



In 2020, 90% of exporters were small businesses...
... and, accounted for 20% of the value of exports.

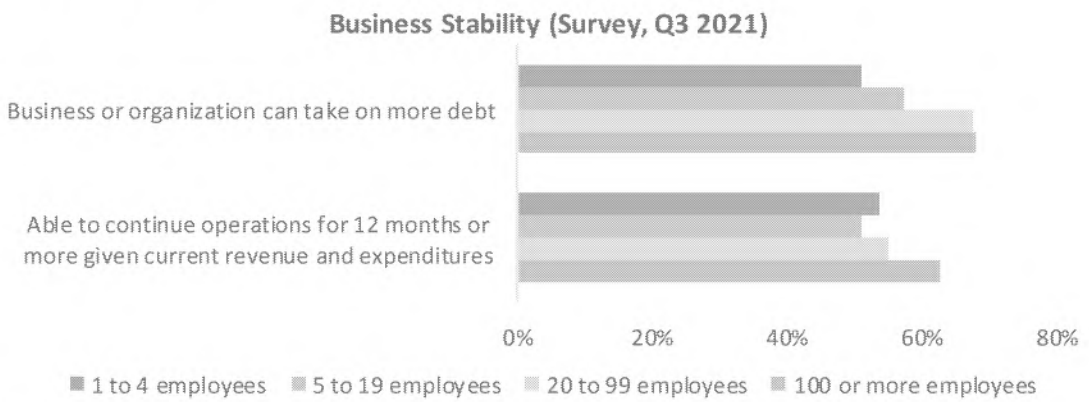


Smaller businesses had higher uptake of CEBA loans, which helped them maintain liquidity during the pandemic.



Note: Share and uptake % based on ISED internal analysis on CEWS, CEBA, CERS and CECRA program data linked to tax data as of Feb 15, 2021, Jan 26 2021, Apr 12 2021, and Mar 14 2021.

Despite support, smaller businesses are less likely to be able to take on more debt and less likely to have revenues capable of sustaining their operations.



Source: ISED, Key Small Business Stats 2021 (forthcoming).

Source: Statistics Canada. Canadian Survey on Business Conditions, Q3 2021.



Business outlook has improved, but many businesses remain in a tenuous position

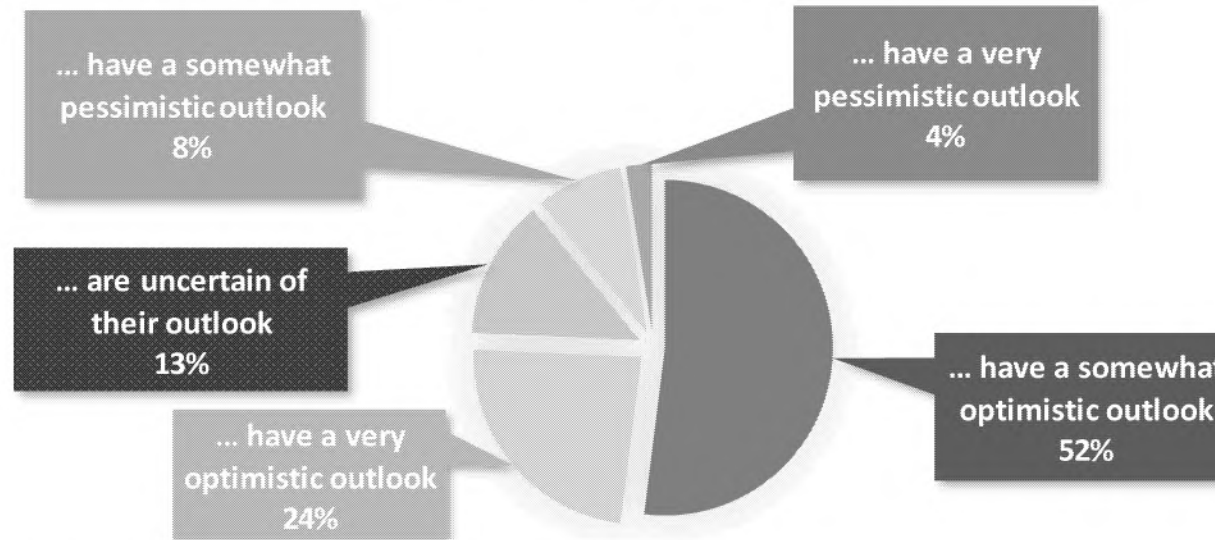
Canadian Survey on Business Conditions—Q3 2021

Overall conditions and business sentiment have improved in 2021; a majority of firms report positive prospects.

However, some businesses remain unable to take on debt and may not be able to continue operations under a protracted *start-stop* recovery.

Labour shortages and rising input costs were the most commonly cited near-term obstacles. This coincides with a surge in job vacancies in Q2 of 2021 (25% increase leading to record high 730K vacancies).

Business Outlook: Over the next 12 months, firms ...



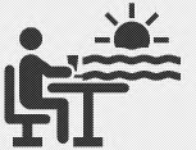
Business Survival



- 19.0%** reported that they **were unable to take on more debt**
- 17.7%** reported that they can continue to operate at their current level of revenue and expenditures for **less than 12 months** before considering **laying off staff**
- 6.8%** reported that they can continue to operate at their current level of revenue and expenditures for **less than 12 months** before considering **closing or declaring bankruptcy**



Businesses with < 20 employees



Tourism-related industries



More pessimistic outlook



Less able to take on more debt



Less likely to be able to operate for 12+ months under current conditions



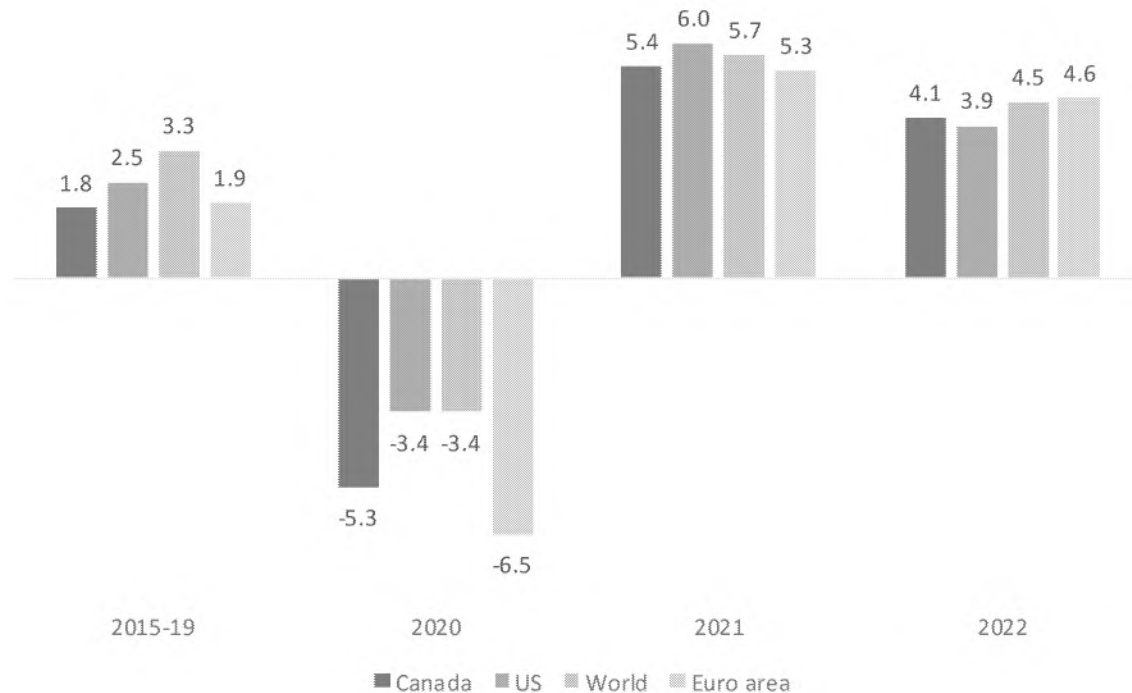
Tourism related industries experiencing large labour shortages



While medium-term growth prospects for Canada are encouraging, the full extent of the impact of the pandemic is not yet known

GDP forecast for Canada are generally positive. Canadian growth is expected to match other OECD economies.

Growth is expected to be strong over the next two years
Annual GDP growth (%)



Source: OECD, Economic Outlook Interim Report (September 2021).

What has the pandemic changed?



Over the short term, some hard-hit sectors are still reliant on direct support; labour shortages are hampering the recovery in many sectors; and inflation is currently unusually elevated, higher than in the last decade.



Accelerated adoption of digital technologies, including clean technologies, could act as a catalyst for business investment, productivity growth, and innovation.



As a small open economy, Canada could be suffering from world-wide reorganization of supply chains that were disrupted by the pandemic.



The way of work, including automation and teleworking, could impact labour market participation, skill accumulation and mismatch, and ultimately labour productivity.



Demographic forces are likely to limit long-term growth and living standards prospects. This requires strong labour market participation, including from underrepresented groups and those most affected by the pandemic.



Regional economic snapshot



Territories

Demographics

- Young, highly dispersed population; average median age of 33 years (41 years for Canada)
- Large Indigenous population: NU – 86%, NWT – 51%, YT – 23%

Economy

- Strong projected growth, with forecasted averages of 12.3% in 2021 and 3.1% in 2022 (significantly weaker forecasts for NWT)
- Much of Canada's natural resource potential lies in the territories (76% of projects north of 60 are undeveloped, including many critical materials)
- Opportunities to diversify through expansion of the blue economy and tourism
- Increased international interest in the region

Pacific

Demographics

- 14% of Canada's population (5.1 million)
- Highest annual growth among four largest provinces since 2017 (1.4% per year)
- Diverse: 30.2% visible minority population relative to 22.2% in all of Canada

Economy

- Real estate was 20% of BC GDP in 2020, highest in Canada
- Resource industries (mining, forestry, natural gas) are major rural employers. Trends of interest in these industries include the matter of Indigenous jurisdiction, commodity price changes, and environmental considerations.
- Strengths in innovative sectors (digital, clean tech, life sciences) with success stories/unicorns
- Customer-facing industries (tourism, retail) struggling with ongoing pandemic, debt, and labour shortages

Prairies

Demographics

- Population over 7 million (4.4 million in AB), about 20% of population in Canada
- Diverse: 39% of Canada's Indigenous population

Economy

- Accounts for 26% of Canada's exports
- Rich in natural resources and prominent agriculture sector
- Hardest hit GDP in 2020, above national average post-pandemic growth

Northern Ontario

Demographics

- Dispersed and aging, with minimal population growth
- High proportion of Francophone Canadians and strong Indigenous presence

Economy

- Resource-base, but emerging sectors, particularly in digital and battery electric vehicles (BEV), are becoming more important in the mining and related sectors but labour shortages in skilled trades continue
- Inadequate connectivity in many communities is also a barrier to economic growth

Quebec

Demographics

- 23% of Canada's population
- Quebec's share of all immigrants admitted to Canada was 11.9% in 2019
- Employment growth forecast of 4.2% in 2021

Economy

- Major innovative clusters e.g. clean energy, aerospace, life sciences, zero-emissions vehicles, ICT, AI, aluminum and maritime
- Quebec-based firms received 24% (\$599M) of Canada's venture capital share in 2020
- Well-established networks of R&D centres/consortiums and technology transfer offices and highest BERD per capita
- Average masks multiple realities: urban/rural, connectivity, job types/creation

Southern Ontario

Demographics

- 36% of Canada's population; attract about 40% of newcomers to Canada
- 1.6 million people live below Canada's poverty line in Ontario (42% of total)

Economy

- Ontario is about 39% of Canada's GDP; 4% growth forecast in 2021 and 2022
- Rapidly growing tech sector with record-setting VC activity, and a number of companies reaching unicorn status. The ICT sector is leading this growth.
- Key cluster strengths in areas of global demand (e.g. AI, cleantech, fintech, digital health, digital education, regenerative medicine)

Atlantic Canada

Demographics

- Population of 2.5 million
- Low immigration retention and fastest aging population in Canada
- Highest share of rural population in Canada: 46%

Economy

- Significant export decline in 2020 (-22.5%), especially in NL (-29.4%)
- Strong growth potential in sectors such as ICT, life and biosciences, oceans and clean technologies, food, tourism, mining, and aerospace and defence
- Critical shortage of labour and skills, especially in rural areas; 55% of Atlantic firms reporting hiring difficulties



STRATEGIC COMMUNICATIONS AND MARKETING





STRATEGIC COMMUNICATIONS AND MARKETING

ISED's communications services will work hard to help you communicate how the Government is supporting the Canadian economy, businesses, and consumers.

Ministerial Services

The Ministerial Services team works closely with the ministers' offices, deputy ministers' offices, regions, portfolio partners, sector colleagues, and stakeholders to develop communications products and coordinate other activities relating to public events. The team provides strategic communications advice that helps drive results of key mandate commitments, with resources devoted to:

- **Ministerial liaison**
- **Media relations**
- **Media monitoring**
- **Parliamentary affairs**
- **Issues management**
- **Speechwriting**
- **Strategic advisory services**
- **Portfolio partners**

Digital Media and Marketing

The Digital Media and Marketing team supports departmental and ministerial priorities through public opinion research and marketing, as well as editorial and creative services. The team also manages the Department's social media and web channels, as well as its national contact centre. Resources include:

- **Public opinion research / consultations**
- **Marketing**
- **Editorial services**
- **Creative services**
- **Social media**
- **Corporate communications**
- **Web communications**
- **National contact centre**



Social Media and Web

* Engagement source: Hootsuite Analytics (Sept. 1, 2020, to Aug. 31, 2021)

SOCIAL MEDIA CHANNELS

Over 578K followers across 25 accounts (English and French)

Canadian Innovation



Followers: 42.5K
Engagement: 17.2K



Fans: 15.8K
Engagement: 20.4K



Fans: 8K
Engagement: 1.7K



Followers: 92K
Engagement: 25K



Subscribers:
14K

Canadian Science



Followers: 9.4K
Engagement: 5.4K



Fans: 67K
Engagement: 4.7K



Fans: 9.7K
Engagement: 2.1K

Canadian Tourism



Followers: 15K
Engagement: 3.7K



Fans: 6K
Engagement: 3.4K

Canada Business



Followers: 183.9K
Engagement: 10.6K



Fans: 101K
Engagement: 23.8K



Fans: 14.3K
Engagement: 14.5K

WEB PRESENCE

ic.gc.ca: more than 47K web pages

- 20.2M+ visits, 80+ online applications
From Sept. 1, 2020, to Aug. 31, 2021

ISED manages three themes on Canada.ca:

- [Business and industry](#)
- [Science and innovation](#)
- [Money and finances](#)



ANNEX A: PORTFOLIO OVERVIEW





ANNEX A: TABLE OF CONTENTS

PORTFOLIO OVERVIEW

AGENCIES

- Statistics Canada
- Canadian Space Agency

CROWN CORPORATIONS

- Destination Canada
- Standards Council of Canada
- Business Development Bank of Canada

COUNCILS

- Natural Sciences and Engineering
Research Council of Canada
- National Research Council Canada
- Social Sciences and Humanities
Research Council of Canada

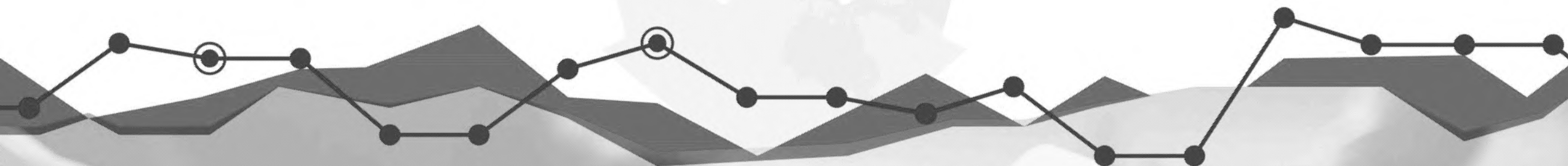
QUASI-JUDICIAL TRIBUNALS

- Competition Tribunal
- Copyright Board Canada



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



Statistics Canada

Delivering insight through data for a better Canada



Statistics
Canada

Statistique
Canada

Canada
000097



MANDATE

- Statistics Canada (StatCan) is an independent, arm's-length agency with a national mandate to **provide statistical information** on every aspect of our country and its communities, including its population, economy, society, and environment.
- As the **National Statistical Office**, Statistics Canada **provides insight through data for a better Canada**. The agency conducts the Census of Population and Census of Agriculture every five years. The Census of Population underpins the national data infrastructure that we all rely on to measure changes in society, providing the data for **fiscal transfer payments**, determining the **allocation of electoral seats** in the House of Commons, and providing insights on Canadians at the **smallest geographic level of data possible**.
- In addition, StatCan runs approximately 350 active surveys on virtually all aspects of Canadian life. We provide **unbiased, high-quality data** that are integral to the well functioning of society and **help governments, businesses, and individuals make informed decisions**.

The **Statistics Act** enables Statistics Canada:



to **collect, compile, analyse, abstract, and publish** statistical information



to **collaborate** with government departments



to collect the **Census of Population and Census of Agriculture of Canada**



to promote the **avoidance of duplication** in the information collected by departments



to **promote and develop integrated social and economic statistics** pertaining to the whole of Canada and each of the provinces

The legislation supporting Statistics Canada makes provisions for transparent and accountable decisions on statistical matters



The **Statistics Act** establishes Statistics Canada as a federal agency with a national mandate to address statistical needs of all Canadians and governments.

The **Constitution Act**, 1982 assigns census and statistics to the federal jurisdiction and requires the conduct of a general Census of Population.



DELIVERING WORLD-CLASS STATISTICAL INSIGHTS

Statistics Canada is one of the **most credible national statistical organizations in the world**, with an **important leadership role** on the international stage supported by an **international strategy that is focused, collaborative, and progressive**.

We lend a hand, we learn, we leverage, we lead.

Development, implementation, modernisation of internationally comparable statistical methods, standards and techniques
Supporting international cooperation and comparison through shared standards, solutions, and best practices.

Leading on the international stage

- Vice-Chair of the United Nations Statistical Commission Bureau
- Chair of the OECD Committee on Statistics and Statistical Policy
- Vice-Chair of the Conference of European Statisticians Bureau
 - Chair of the High-Level Group for the Modernisation of Official Statistics
- Member of the Executive Committee of the Statistical Conference of the Americas (SCA) of the Economic Commission for Latin America and the Caribbean (ECLAC)

Leaving no one behind – StatCan and the SDGs

Reporting on Canada's progress toward targets set out in the Agenda 2030 Global Indicator Framework ([SDG Data Hub](#)), as well as development and reporting on the Canadian Indicator Framework. Co-chair of the UN Inter-Agency Expert Group on SDG Indicators.

Project for the Regional Advancement of Statistics in the Caribbean (PRASC)

Supporting targeted sustainable technical assistance and statistical capacity building with 14 Caribbean states - building resilience, accountability, sustainable growth and governance.

19.5 M, 7 Years Funded by GAC – learning-by-doing approach

Over 190 bilateral and multilateral exchanges in support of evidence-based governance and accountability.

Fostering collaboration on common statistical challenges – globalisation, data revolution, COVID response, well-being, data disaggregation; Adhering to and promoting UN Fundamental Principles of Official Statistics and OECD Good Statistical Practices.





GOVERNANCE

The *Statistics Act* establishes Statistics Canada as a federal agency with a national mandate to address statistical needs of all Canadians and governments. The *Constitution Act*, 1982 assigns census and statistics to the federal jurisdiction and requires the conduct of a general Census of Population. Statistics Canada coordinates the national statistical system working with provinces, territories, municipalities, the private sector, and non-government organizations.

CANADIAN STATISTICS ADVISORY COUNCIL

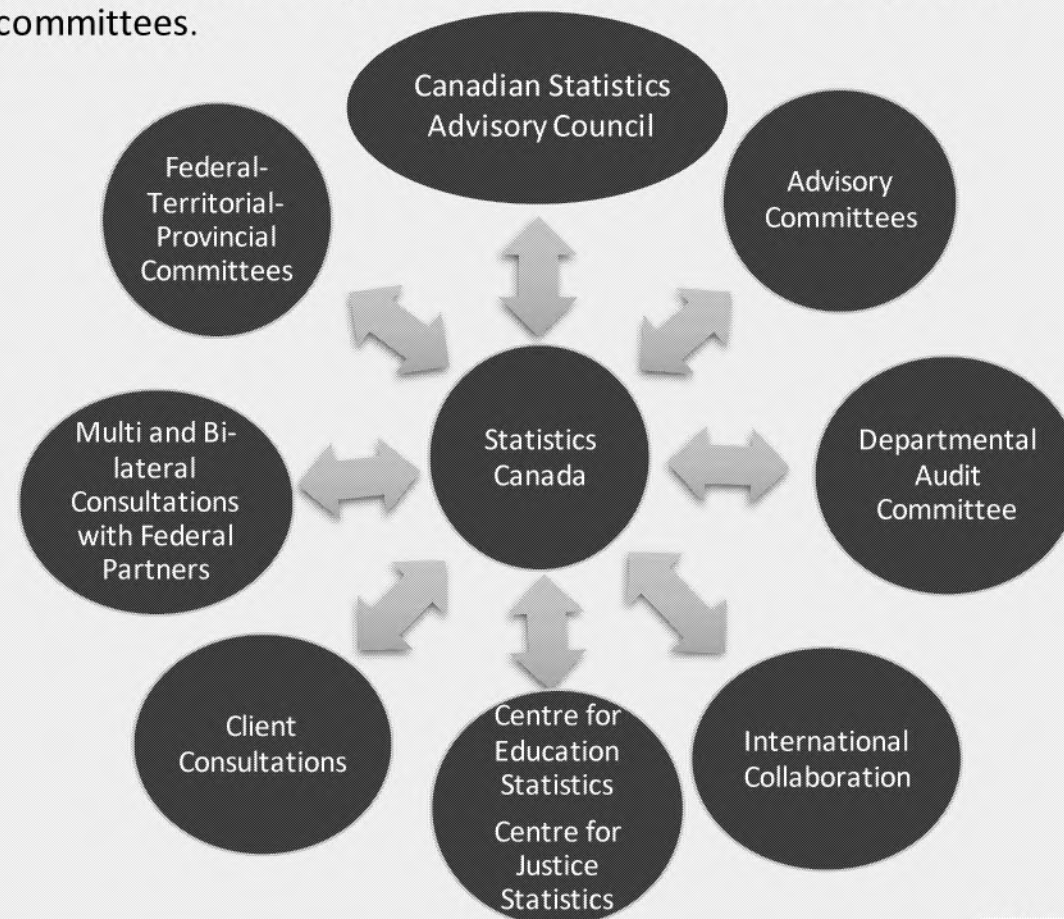
In 2017, amendments to the *Statistics Act* to strengthen the relevance and transparency of the statistical system led to the establishment of a new Canadian Statistics Advisory Council (CSAC). CSAC's mandate also includes the public release of an annual report on the state of the national statistical system.

The **CSAC** advises the **Minister of Innovation, Science and Industry**, and the **Chief Statistician**, on matters concerning the **overall quality of the national statistical system**, including the **relevance, accuracy, accessibility**, and **timeliness** of our data.

CSAC FIRST ANNUAL REPORT – 2020

“For Canada to succeed in this dynamic digital economy, Statistics Canada must play a central leadership role, coordinating with governments and organizations to produce coherent and trusted national statistical information.”

The Agency seeks the expertise and counsel of many other advisory groups and has a comprehensive and well-established system of committees.





Canadian Space Agency (CSA)





MANDATE

The CSA promotes the peaceful use and development of space, advances our knowledge of space through science, and ensures that space science and technology provides social and economic benefits for Canadians. The CSA cooperates with the space and space-related agencies of other countries in the peaceful use and development of space.

The CSA's main activities include:

- Coordinating Government of Canada space policies and programs
- Planning, directing, managing, and implementing space programs and projects
- Promoting the transfer and diffusion of space technology to and throughout Canadian industry
- Encouraging the commercial exploitation of space capabilities, technology, facilities, and systems

GOVERNANCE

The CSA was established in 1990 following royal assent of the *Canadian Space Agency Act*, which sets out its broad mandate. Its President reports to the Minister of Innovation, Science and Economic Development Canada, as set out in the Act.

The Agency is headquartered in Saint-Hubert, QC (Greater Montreal Area). Its Policy Branch and David Florida Laboratory, which is a world-class facility for spacecraft assembly, integration, and testing, are located in the National Capital Region. In addition to its permanent employees, the Agency has four active astronauts, as well as CSA mission specialists, located in Houston; the Agency also maintains a representative in both Paris (European Space Agency liaison) and Washington (NASA liaison).

Canada's activities in space are guided by the 2019 Space Strategy, *Exploration, Imagination, Innovation*, which outlines the importance of space as a *strategic national asset* that is used to deliver broad socioeconomic and scientific benefits to improve the lives of Canadians.

CSA works closely with Other Government Departments (OGDs) in the implementation of space projects and policy, providing technical advice and coordinating national policy positions in areas such as the sustainable and peaceful use of space



ROLES AND RESPONSIBILITIES

Exploration:

- Leads Canada's participation in the International Space Station, including operating and maintaining its sophisticated onboard robots (Canadarm2 and Dextre); conducts health science experiments in space; and manages the Canadian Astronaut Program.
- Leads Canada's participation in the Lunar Gateway, including the development of Canadian contribution, Canadarm3, and collaborates with international partners on other major space exploration missions such as the James Webb Space Telescope (JWST), expected to launch December 2021.

Earth Science And Observation:

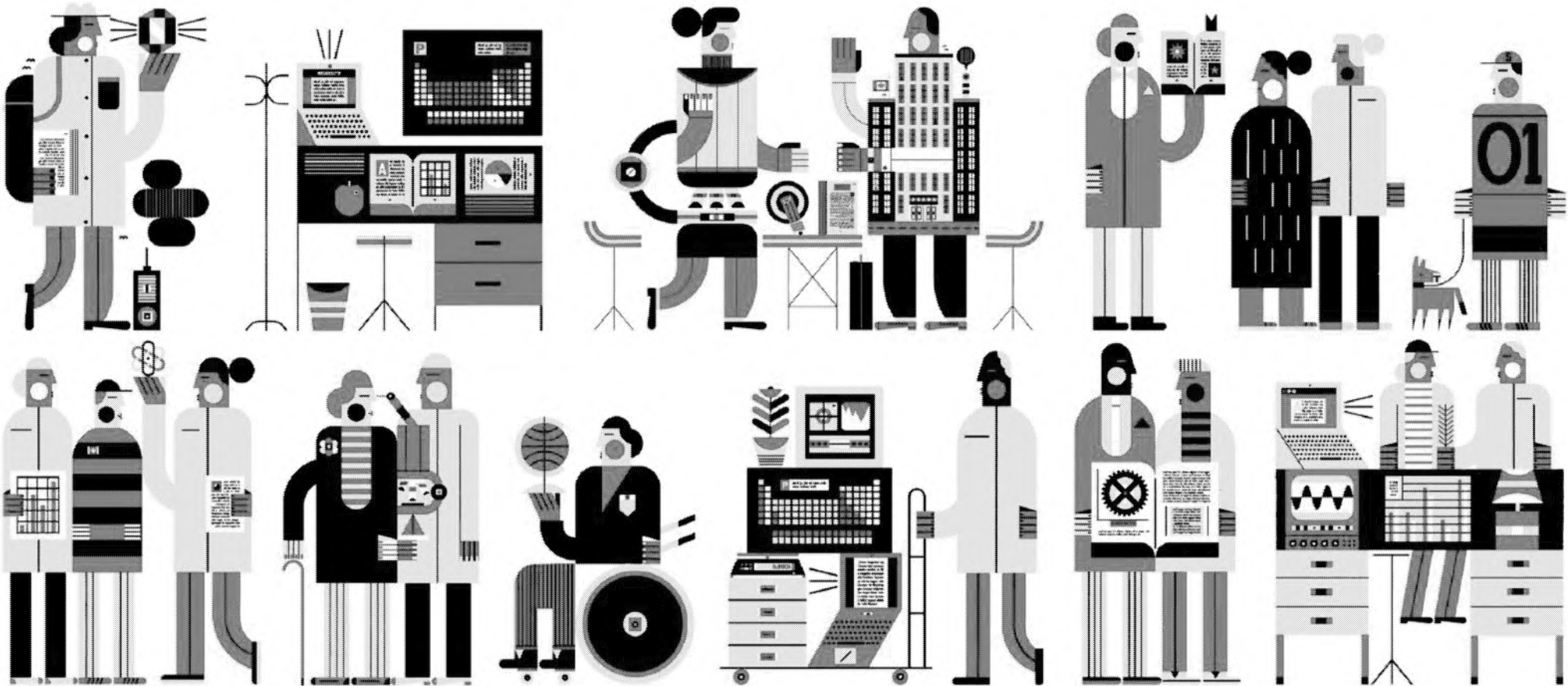
- Responsible for the RADARSAT Constellation Mission (RCM) and other Earth observation science satellites. The Government of Canada relies on Earth observation data from RCM and other satellites to deliver over 60 essential services to Canadians, including climate monitoring, emergency response, and support to national defense.

Technology and Capacity Development:

- Advances the commercial potential of Canadian space technologies, such as optics, robotics, satellite communications, and radar, through technology development programs such as: Lunar Exploration Accelerator Program (LEAP) and Space Technology Development Program (STDP).
 - Develops Highly Qualified Personnel (HQP) so that Canadian companies can compete in the global space economy.

Awareness And Inspiration:

- Engages and inspires Canadian youth to pursue careers in space-related science, technology, engineering, and mathematics (STEM), through various means, including social media, astronaut events, educational material based on the Lunar STEM Strategy, and the CSA's Junior Astronaut Recruitment Campaign (completed July 2021).



Breakthrough answers
to timeless questions

Des réponses innovantes
à de grandes questions





MANDATE

- NSERC is mandated to promote and support post-secondary research and training in natural sciences and engineering, as well as advise and support the Minister in fulfilling his/her mandate.
- Through discovery research, research training and talent development, and research partnerships, NSERC:
 - Ensures that Canada's natural sciences and engineering research is internationally competitive;
 - Ensures that Canada's natural sciences and engineering research knowledge is used; and
 - Trains the next generation of highly skilled people in natural sciences and engineering.

GOVERNANCE

- NSERC's government-appointed Council is composed of the President and up to 18 other members appointed from the academic, public, and private sectors and who set strategy and high-level policies.
- NSERC is overseen by a four-person senior management team, led by its President.



KEY ACTIVITIES

Discovery Research

- NSERC drives fundamental research in the natural sciences and engineering by supporting over 12,000 researchers with grants, thereby providing a crucial foundation for innovation in Canada.
- NSERC's Discovery suite also supports the new generation of early-career researchers (ECRs), helps build a diversified and competitive research base, and fuels the frontiers of research aligned with national priorities and global challenges.
- NSERC celebrates Canada's top researchers in the natural sciences and engineering through prizes.

Research Partnerships

- The Alliance Grants Program is flexible and responsive, encouraging university researchers to collaborate with over 3,400 partners from the private, public, or non-profit sectors. Alliance grants support projects led by collaborative teams to generate new knowledge and accelerate the application of research results, to create benefits for Canada.
 - As of July 12, 2021, NSERC is applying the [*National Security Guidelines for Research Partnerships*](#) for all applications to the Alliance program that include a private-sector partner.
- The College and Community Innovation Program, administered by NSERC on behalf of the three federal granting agencies, aims to increase innovation at the community and regional levels by enabling Canadian colleges to work with local partner organizations, particularly small and medium-sized enterprises (SMEs).



KEY ACTIVITIES

Supporting Research on Emerging Technologies

- Through investments in research partnerships and collaborations, NSERC supports research and innovation on emerging technologies such as artificial intelligence, quantum technologies, and clean technologies.

Equity, Diversity, and Inclusion (EDI)

- The Tri-agency EDI Action Plan (2018–2025) serves as the foundation for a long-term commitment to enhance EDI in the Canadian post-secondary research ecosystem. It includes the Dimensions program, administered by NSERC on behalf of the three federal granting agencies, that aims to help drive such EDI cultural change.

Training and Talent Development

- NSERC supports over 33,000 trainees through scholarships and fellowships, as well as through research grants and partnerships.

Fostering a Science and Engineering Culture

- Through the PromoScience program, Science Literacy Week, and Science Odyssey, NSERC inspires young Canadians to learn about and plan careers in science.



National Research Council Canada (NRC)





Mandate

The NRC has three core roles within the Canadian science, technology, and innovation ecosystem:

1. Advancing scientific and technical knowledge
2. Supporting government policy objectives
3. Supporting business innovation

These roles deliver value to Canada through a national network of researchers and facilities performing research and technical services with partners from industry and other government departments, and a national funding program—the Industrial Research Assistance Program (IRAP)—supporting business innovation in Canadian small and medium-sized enterprises (SMEs).

Historically, the NRC also mobilizes to support government priorities in times of crisis, which occurred most recently during the COVID-19 pandemic. In early 2020, the NRC shifted focus to support the COVID-19 response efforts by working with partners across government and the private sector to advance research and development (R&D) for vaccines and therapies, expanding Canada's biomanufacturing capacity, and providing support to innovative early-stage SMEs to help them weather the pandemic.

Governance

The NRC is governed by the *National Research Council Act*, which gives the organization a broad mandate to undertake and support scientific and technical research.



Roles and Responsibilities

Advancing Scientific and Technical Knowledge

- Advancing scientific solutions to address public policy challenges
- Co-locating researchers and equipment with partners in academia and industry to share access to specialized equipment, working side by side on joint projects, and providing training opportunities for young scientists in leading-edge research areas
- Exploring new ideas and accessing new capabilities through national and international partnerships
- Providing effective stewardship of nationally mandated scientific functions such as ground-based astronomical observatories, the *National Building Code*, and Canada's national standard for measurements such as weight and time

Supporting Government Policy Mandates

- Contributing to federal science initiatives with scientific knowledge and technological insights that contribute to the effectiveness and efficiency of regulation, stewardship, national security, and defence
- Supplying insights into emerging technologies and advising government and industry on disruptive potential
- Supporting the government-wide response to the COVID-19 pandemic, including R&D of vaccines and therapies and increased domestic biomanufacturing capacity

Supporting Business Innovation

- Providing access to expertise and specialized facilities to help industry reduce the financial risks associated with R&D
- Providing financial support, coaching, and guidance through NRC-IRAP to help SMEs scale up and compete
- Directing collaborative R&D programs towards transferring technologies and helping solve the challenges faced by Canadian industry



SSHRC = CRSH





MANDATE

SSHRC is the federal agency mandated to promote and support **postsecondary-based research and training in the social sciences and humanities**, and advise the responsible Minister.

Through grants, fellowships, and scholarships, SSHRC:

- **Trains** the next generation of talented, creative thinkers and doers
- **Builds** knowledge and understanding about people, cultures, and societies
- **Drives** the innovations that address the challenges of today and tomorrow

SSHRC provides leadership and manages key initiatives that **support the broader Canadian research enterprise**.

SSHRC, on behalf of the three federal granting agencies:

- **Administers** tri-agency programs including the Canada Research Chairs program, the Research Support Fund, the New Frontiers in Research Fund, and the recently announced Tri-Agency Biomedical Research Fund – **representing a tri-agency research investment of over \$1 billion**
- **Hosts** the Canada Research Coordinating Committee secretariat



STRATEGIC PRIORITIES

- Supporting post-pandemic recovery and resilience, including through interdisciplinary partnerships funded through the new **Tri-Agency Biomedical Research Fund**
- Supporting new models for Indigenous-led research and research training through the **Tri-Agency Indigenous Research Strategy**
- Ensuring strong interagency collaboration to strengthen Canada's research enterprise, through the **Canada Research Coordinating Committee**
- Continuing to advance international, interdisciplinary research through the **New Frontiers in Research Fund**
- Taking actions to improve **equity, diversity, and inclusion** in the research enterprise, including through the Canada Research Chairs Program's Equity, Diversity and Inclusion Action Plan, and the recently announced Race, Gender and Diversity Initiative
- Mobilizing research on **Future Challenge Areas** for Canada
- Strengthening support for **research talent development**



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



Destination Canada





MANDATE

- Destination Canada's (DC) role is to market Canada as a leading tourism destination

GOVERNANCE

- DC (legally known as the Canadian Tourism Commission) has been a federal Crown corporation since 2001 and reports to Parliament through the responsible Minister
- Headquartered in Vancouver since 2005
- President and Chief Executive Officer: Marsha Walden, effective August 24, 2020, until August 23, 2025
- Chair of the Board of Directors: The Honourable Liza Frulla, effective August 6, 2021, until August 5, 2026
- DC is governed by a Board of up to 12 directors who provide stewardship and strategic direction
 - The DC Board includes the President and Chief Executive Officer, the Chair, and the Deputy Minister of Innovation, Science and Economic Development, who is an ex-officio Board member



ROLES AND RESPONSIBILITIES

- In 2016, DC successfully launched a multiyear strategic partnership with all provinces, territories, the Indigenous Tourism Association of Canada, and 10 major Canadian city/resort destinations. This unified approach, known as North Star 22, has resulted in better alignment of investments and marketing decisions.
- Core business segments:
 - Leisure (Canada, Australia, China, France, Germany, Japan, Mexico, the UK, the US)
 - Business events
 - Research
 - Destination stewardship
- Uses a regional hub model, with offices in Canada, the UK, Japan, and China

IMPACTS OF COVID-19

- With impacts to the international travel industry due to COVID-19, DC pivoted a large portion of its internationally focused marketing activities to marketing in Canada.
- Budget 2021 further proposed an additional \$100M for marketing campaigns to help Canadians and other visitors discover and explore the country.



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada



We open a world of possibilities through standardization

Standards
Council
of Canada
Open a world of possibilities.

Conseil
canadien
des normes
Un monde de possibilités à votre portée.

Canada



MISSION

To lead and facilitate the development and use of national and international standards and accreditation services in order to enhance Canada's competitiveness and well-being

VISION

To be a global leader driving prosperity and well-being for Canada through innovative standardization strategies

MANDATE

To promote efficient and effective voluntary standardization in Canada, where standardization is not expressly provided for by law

THREE STRATEGIC PRIORITIES

Innovation

- Deliver innovation through standardization

Canadian Leadership

- Deliver competitive advantage and economic prosperity through standardization

Organizational Excellence

- Strengthen the organization's culture of excellence



ROLES AND RESPONSIBILITIES

- Deliver standardization strategies that support industry and the Government of Canada's key initiatives
- Advise governments (F/T/P) in trade diversification as it relates to standardization
- Coordinate standardization activities in Canada and represent Canada in international standardization bodies
- Accredite Standards Development Organizations and Conformity Assessment Bodies
- Approve National Standards of Canada
- Support Regulatory Modernization
- Ensure that regulators can easily use conformity assessment tools and accreditation programs to manage risks and compliance in a variety of sectors
- Ensure that the standardization system continues to provide value and solutions to Canada and Canadians in an ever more complex and interconnected world



Focused on what matters to Canadians

A RESILIENT HEALTHCARE SYSTEM

Supporting the creation of new National Standards of Canada for long-term care with standards development organizations, provincial and territorial governments, and Health Canada

COVID-19 RECOVERY

Supporting made-in-Canada capacity to produce, test, and certify personal protective equipment

GENDER BALANCE AND INCLUSIVITY

Ensuring that the economic, societal, and safety benefits of standardization are enjoyed equally and by all through research and gender-equitable technical expertise

THE DIGITAL ECONOMY

Accelerating the development of data governance standards for Canada along with ethics and safety standards for artificial intelligence

EXPANDED MARKETS FOR BUSINESS

Helping Canadian innovators use standardization to reach new markets while reducing internal barriers to trade by harmonizing regulatory regimes

CLIMATE CHANGE

Embedding climate change adaptation and resilience in building codes, guidelines, and standards, and incorporating environmental management standards into government regulations and policies



Business Development Bank of Canada (BDC)





MANDATE

The BDC is an independent, arm's-length financial Crown corporation, wholly owned by the Government of Canada, that supports Canadian entrepreneurship, with a particular focus on small and medium-sized enterprises. The Bank has three strategic objectives:

- Increase access and reach
- Drive SME competitiveness
- Provide an excellent client experience

BDC plays a counter-cyclical and complimentary role in the commercial financing market, increasing its financing in periods of economic weakness or turbulence and to address market gaps.

GOVERNANCE

- The Bank is governed by the *Business Development Bank of Canada Act*, passed in 1995. The Bank is overseen by an independent Board of Directors which is accountable for overseeing business activities and strategic direction.
- The Bank's corporate plan, capital and operating budgets, are approved by the responsible Minister and Treasury Board annually. The Minister may also provide broad direction to the BDC Board or direct the BDC to administer specific programs, subject to the Act.



ROLES AND RESPONSIBILITIES

BDC is the only bank dedicated exclusively to entrepreneurs. As of March 2021, BDC had a portfolio of approximately \$36B, with over 72,000 clients operating in all industries. The BDC adapts its offerings to respond to the needs of entrepreneurs in the economy, providing financing, capital, and advisory services for small and medium-sized enterprises.

Financing

- BDC provides flexible term lending for new projects or working capital solutions. BDC has \$31.8 billion in loan commitments, which represents the majority of its portfolio. The Bank also increases the appetite of other lenders by co-lending or syndicating loans with financial institutions and providing specialized asset-backed securities for finance and leasing companies.

Capital

- To support high-growth, innovative and IP-intensive companies, BDC invests in venture capital (VC), both directly into companies and indirectly into VC funds, and commits capital through its Growth and Transition Capital group to support established companies looking to finance growth projects or business transitions.

Advisory Services

- Advisory solutions are offered through a Canada-wide network of over 500 business consultants to help businesses overcome business challenges or scale up, including improving productivity and exporting. BDC also provides tailored growth support to high-growth firms.

Targeted Initiatives

- BDC provides enhanced support to underserved entrepreneurs, such as Indigenous, Black, women, and young entrepreneurs. The Bank is also delivering on federal initiatives to enhance access to VC, patient capital to cleantech, COVID support measures, and digital adoption.



The Competition Tribunal





MANDATE AND GOVERNANCE

- Created by the *Competition Tribunal Act* in 1986
- Administrative tribunal led by a Federal Court judge
- Strictly adjudicative function
- Operates at arm's length from government and its departments
- Administrative support provided by the Administrative Tribunals Support Service of Canada (Competition Tribunal Secretariat)



ROLES AND RESPONSIBILITIES

Judicial Members

- Currently five appointed out of six involved in all types of cases
- Must be Federal Court judges
- Assigned cases of the Tribunal as required
- Decide questions of law, mixed law and fact, and questions of fact

Lay Members

- Currently six part-time appointed out of eight
Involved only in matters reviewable by the Tribunal
(Part VIII of the *Competition Act*)
- Assigned to panels of the Tribunal as required
- Decide questions of fact or mixed law and fact

Role of Lay Members

- Analyze complex economic and business data
- Understand expert economic evidence
- Formulate questions to challenge expert witnesses
- Differentiate between questions of law and the application of economic evidence
- Actively participate in post-hearing deliberations
- Involved in questions of fact or mixed law and fact



Copyright Board Canada





MANDATE AND GOVERNANCE

- The *Copyright Act* provides that the Copyright Board:
 - Approves tariffs for content whose rights are managed by collective societies;
 - Grants licences for the use of content for which the rights owners cannot be found; and
 - Arbitrates in the event that a collective society and users cannot agree on royalties.
- Board decisions must be fair, equitable, and timely, be based on solid legal and economic principles, and consider evolving business models and technologies as well as the public interest.
- Board decisions, when appealed, are reviewed by the Federal Court of Appeal of Canada, followed by the Supreme Court of Canada.
- As an independent administrative tribunal and economic regulator, the Board reports on its administrative activities to Parliament through the Minister of Innovation, Science and Industry.



ROLES AND RESPONSIBILITIES

Under the *Copyright Act*, rights owners are entitled to be paid for the use of their protected works.

- Accordingly, the Board is mainly responsible for approving tariffs for:
 - the use of musical works, sound recordings and public performances by a wide range of entities including television stations, satellite radio, online music services, hotels, and restaurants;
 - the use of literary works by educational institutions and governments;
 - the retransmission of works embedded in distant television and radio signals, or the reproduction and public performance of a television and radio broadcast, by educational establishments for educational purposes; and
 - the manufacture or importation of blank audio media for private copying purposes.
- The Board also:
 - sets royalties when there is disagreement between a user and a collective society;
 - rules on applications for non-exclusive licences to use various types of works when the copyright owner cannot be located.



ANNEX B: DEPARTMENTAL SERVICES AND SUPPORTS





DEPARTMENTAL SERVICES AND SUPPORTS

THE PORTFOLIO IS HERE TO SUPPORT YOU AND ENSURE A
SUCCESSFUL AND SEAMLESS TRANSITION.

The Deputy Minister (DM) is your key interlocutor, providing non-partisan advice to help implement the Government's agenda. The DM is supported by an Associate Deputy Minister (ADM).

The Department will work closely with your office to provide support on a wide-range of policy, corporate, and operational issues, including:

- Providing briefings and responding to requests for information;
- Providing communications support;
- Coordinating support on Cabinet, parliamentary, Governor-in-Council, and ministerial appointments and correspondence; and
- Providing support on day-to-day operations and general administrative and budgetary information.



DEPARTMENTAL SERVICES AND SUPPORTS

While you and your staff are responsible for discussing possible conflicts of interest and disclosing them to the Conflict of Interest and Ethics Commissioner, the DM, supported by his Chief of Staff and the Corporate Secretary, is responsible for putting measures in place to ensure appropriate delegations of authority and to prevent potential or perceived conflicts of interest that could arise in the execution of your mandate.

Supporting the DM in providing you and your staff with corporate services and support are the following individuals and their teams:

- Departmental Liaison;
- Chief of Staff, Deputy Minister's Office;
- Corporate Secretary; and
- Assistant Deputy Minister of Strategic Communications and Marketing.



DEPARTMENTAL CONTACT FOR MINISTER'S OFFICE

The Departmental Liaison is the primary contact between your office and the Department and provides integrated and coordinated timely advice on behalf of the Department and in response to requests from your office, including:

- Coordinating requests for information, briefing materials, and staff briefings;
- Tracking briefing notes and Cabinet documents entering your office; and
- Managing documents requiring your signature, including the distribution and processing of decision dockets and ministerial correspondence.

DAY TO DAY OPERATIONS AND ADMINISTRATIVE ISSUES

The Departmental Liaison will also assist your office with day-to-day office requirements and liaise with the Office of the Corporate Secretary on administrative issues (i.e., finance and human resources, facilities and assets, IT and information management).

DEPARTMENTAL LIAISON

Catherine Peters (ISI)

catherine.peters@ised-isde.gc.ca

Cell: [REDACTED]



LIAISON BETWEEN DMs AND MINISTER'S OFFICE

The DM's Chief of Staff acts as a liaison between DMs and your office, working closely with your Chief of Staff and the Department, ensuring ongoing communications and oversight of key files.

DM OFFICE OPERATIONS

The Chief of Staff manages the operations of the DM's Office, including the requesting, tracking, and distributing of materials for information, discussion, and approval to you and your office.

CHIEF OF STAFF, DEPUTY MINISTER'S OFFICE

Anne-Marie Monteith

anne-marie.monteith@ised-isde.gc.ca

Cell: [REDACTED]

Office: 343-291-2830



**MAIN CONTACT FOR
MINISTER'S CHIEF
OF STAFF ON
CORPORATE
SERVICES**

The Corporate Secretary is the main point of contact for your Chief of Staff on budget and human resources, and provides a range of corporate services and supports to assist you and your office in delivering on your mandate.

CABINET AFFAIRS

Coordinates the delivery of Memoranda to Cabinet, briefing materials, and other supports for Cabinet duties; and tracks Cabinet committee agendas and progress on Cabinet matters related to the ISED portfolio.

APPOINTMENTS

Provides advice and support on all Governor in Council and ministerial appointments within the ISED Portfolio, in coordination with the Privy Council Office and ISED Portfolio organizations as required.

**PARLIAMENTARY
AFFAIRS**

Coordinates committee appearances, parliamentary returns, late shows and Opposition Day speeches, and the tabling of reports from the Department and Portfolio; provides advice on the drafting of Parliamentary Strategies for Memoranda to Cabinet; provides support for legislation and legislative processes; and provides general information on matters related to Parliament. Note that Question Period is supported by the Strategic Communications and Marketing Sector.

**EXECUTIVE
CORRESPONDENCE**

Manages and tracks incoming and outgoing ministerial correspondence relevant to the Minister's mandate, including invitations and meeting requests; coordinates proposed draft responses for ministerial review and signature; and provides professional editing services for ministerial correspondence and documents as required.

CORPORATE SECRETARY

Ana Maia
ana.maia@ised-isde.gc.ca
Cell: [REDACTED]
Office: 343-291-2811



CORPORATE SECRETARY SERVICES

EXECUTIVE PLANNING AND OUTREACH

Plans and develops trip programs for ministerial travel or virtual tours, domestically or internationally, to advance mandate and policy priorities; coordinates briefings and material in advance of trips, and provides logistical support working with ISED's regional offices and the Strategic Communications and Marketing Sector. This work includes ensuring that arrangements are in accordance regional and/or international COVID protocols.

PROTOCOL AND RECEPTION SERVICES

Manages the Executive Complex and related ministerial boardrooms which includes capability for hybrid meetings, interpretation, braille, and other accessibility features, and ensures that seating capacity and services are in accordance with current COVID protocols for federal buildings and/or provincial guidance; provides hospitality and reception services for ministerial and/or departmental events as required; provides advice, support, and recommendations on all aspects of conference and meeting planning, protocol, and official visits (i.e. welcoming delegations, following government protocol on gifts for official hospitality); and provides phone reception services during regular business hours.

FINANCE

Ministers have a budget for exempt staff and for operating their offices. The Corporate Secretary will assist your office in areas such as the following: managing resources including budgets, salaries, assets, expenditures, and providing monthly reports; preparing forecasting estimates for operational requirements; reviewing and auditing of travel and hospitality claims; ensuring that proper signing authorities are in place; and providing advice and guidance on all financial matters, including contracting and acquisition regulations if required.



CORPORATE SECRETARY SERVICES

Your office at 235 Queen Street is on the unceded and traditional territory of the Algonquin Anishinabeg.

HUMAN RESOURCES

All new exempt staff will receive information detailing compensation, leave, and benefits, and any required forms and supplementary documents to complete their onboarding process.

Ongoing support will be provided to the Chief of Staff and exempt staff for all HR related issues.

FACILITIES, IT ASSETS & IM

Ministers and exempt staff have 24-hour access to the building at 235 Queen Street, 11th Floor, East Tower.

You will receive workspaces, mobile devices, laptops, and office equipment consistent with the departmental standard in place during COVID-19.

You will have full network access and access to MS Teams to hold online meetings (in addition to hybrid meetings from the office)

Ministerial staff are supported by a dedicated team of departmental IT specialists for informatics support, including after-hours and weekend support.

Ministers’ offices are supported in information and records management for Cabinet documents, government records, ministerial records, and personal and political records.

SECURITY

Security briefings will be arranged for ministers and their staff by the Privy Council Office and/or the Department’s Chief Security Officer.

All ministerial staff will be informed of applicable security requirements, notably with respect to Cabinet documents.

The Minister and Chief of Staff will also be provided with secure phone, mobile, and videoconferencing capabilities.

The Privy Council Office will provide e-tablets for Cabinet business assigned to identified exempt staff.



ACCESS TO INFORMATION AND PRIVACY (ATIP)

The Office of the Corporate Secretary processes requests and proactive disclosure requirements for the Department, administers the Privacy Impact Assessment Policy, provides training and advice to the Department, and provides notifications of impending requests and proactive disclosures and related sensitivities.

- The ***Access to Information Act*** gives every Canadian citizen, permanent resident, individual, or corporation in Canada the right to request access to records that are under the control of federal government institutions, regardless of their format.
- Now that you are working alongside a federal department, this means that the information you share and receive with officials in the Department is subject to this act.
- **Proactive Publication:**
 - The *Access to Information Act* calls for the proactive disclosure of certain documents, including your mandate letter; the briefing binder prepared for ministerial transition; the list of briefing notes sent to your office; Question Period notes that were prepared and used; and ministerial briefing materials prepared for parliamentary committee appearances.
 - The following items are also subject to proactive publication: departmental contracts, grants, and contributions over \$25K; Portfolio reports tabled in Parliament; departmental and ministerial travel and hospitality expenses; Minister's office annual expenses; reclassifications of positions within the public service within the Department; and a list of completed ATIP requests. Deadlines for publication vary from 30 to 120 days.



DEPARTMENTAL SERVICES AND SUPPORTS: KEY CONTACTS

Title	Name	Contact Information
Deputy Minister Innovation, Science and Economic Development Canada	Simon Kennedy	simon.kennedy@ised-isde.gc.ca Cell: [REDACTED] Office: 343-291-2888
Associate Deputy Minister	Paul Thompson	paul.thompson@ised-isde.gc.ca Cell [REDACTED] Office: 343-291-2051
Chief of Staff to the Deputy Minister	Anne-Marie Monteith	anne-marie.monteith@ised-isde.gc.ca Cell: [REDACTED] Office: 343-291-2830
Corporate Secretary	Ana Maia	ana.maia@ised-isde.gc.ca Cell: [REDACTED] Office: 343-291-2811
Director, Departmental Liaison (ISI)	Catherine Peters	catherine.peters@ised-isde.gc.ca Cell: [REDACTED]
Communications		
Assistant Deputy Minister Strategic Communications and Marketing Sector	Vicky Eatrides	vicky.eatrides@ised-isde.gc.ca Cell: [REDACTED] Office: 343-291-1652



ANNEX C: LIST OF COMMONLY USED ACRONYMS





This annex provides a summary of commonly used acronyms.
For a full list of ISED and Portfolio-related acronyms, please visit:
[Acronyms and Abbreviations \(ic.gc.ca\)](https://www.ic.gc.ca/eng/acronyms-abbreviations).

Acronyms (A-B)

ACRONYM	DEFINITION
A	
A /	Acting (before position title)
ACCA	Accelerated capital cost allowance
ACCRU	Alliance of Canadian Comprehensive Research Universities
AGS	Accelerated Growth Service; Atlantic Growth Strategy
AI	Artificial intelligence
ALLS	Advanced Laser Light Source
AMR	Anti-microbial resistance
APEC	Asia-Pacific Economic Cooperation
ASEAN	Association of Southeast Asian Nations

ACRONYM	DEFINITION
ATSSC	Administrative Tribunals Support Service of Canada
AURP	Association of University Research Parks
B	
BAI	Business accelerators and incubators
BCAP	Business Credit Availability Program
BDP	Business Development Program
BEP	Black Entrepreneurship Program
BERD	Business Expenditure on Research and Development
BIAP	Business Innovation Access Program



Acronyms (C)

ACRONYM	DEFINITION
C	
C150	Canada 150 Research Chairs
CANARIE	Canada's Advanced Research and Innovation Network
CARA	Canadian Association of Research Administrators
CATA	Canadian Advanced Technology Alliance
CARIC	Consortium for Aerospace Research and Innovation Canada
CAUBO	Canadian Association of University Business Officers
CBDC	Community Business Development Corporation
CC	Compute Canada
CCA	Council of Canadian Academies
CCI	College and Community Innovation Program
CCSIF	Community and College Social Innovation Fund
CDAP	Canada's Digital Adoption Program
CEBA	Canada Emergency Response Benefit
CERC	Canada Excellence Research Chairs
CERN	European Organization for Nuclear Research
CETA	Comprehensive Economic Trade Agreement (Canada-EU)
CEWS	Canada Emergency Wage Subsidy

ACRONYM	DEFINITION
CFI	Canada Foundation for Innovation
CFREF	Canada First Research Excellence Fund
CGH	Clean Growth Hub
CGS	Canada Graduate Scholarships
CHARS	Canadian Higher Arctic Research Station
CICan	Colleges and Institutes Canada (formerly Association of Community Colleges of Canada)
CIFAR	Canadian Institute for Advanced Research
CITT	Canadian International Trade Tribunal
CLS	Canadian Light Source
CRC	Canada Research Chair or Communications Research Centre Canada
CRCC	Canada Research Coordinating Committee
CSA	Canadian Space Agency
CSAC	Canadian Statistics Advisory Council
CSBFP	Canada Small Business Financing Program
CSI	Council on Science and Innovation
CSPC	Canadian Science Policy Centre
CUSMA	Canada-U.S.-Mexico Agreement
CVCA	Canada's Venture Capital & Private Equity Association



Acronyms (D-H)

ACRONYM	DEFINITION
D	
DOE	US Department of Energy
DRI	Digital Research Infrastructure
E	
EDI	Equity, diversity and inclusion
EUREKA	International network for market-driven industrial research
EV	Electric vehicle
F	
FSR	Fundamental Science Review
G	
GBA+	Gender-Based Analysis Plus
GC	Genome Canada

ACRONYM	DEFINITION
G	
Gs&Cs	Grants and Contributions
GDP	Gross domestic product
GDPR	EU General Data Protection Regulation
GERD	Gross domestic expenditure on research and development
GPAI	Global Partnership on Artificial Intelligence
GRDI	Genomics Research and Development Initiative
GRI	Global Research Infrastructure
H	
HASCAP	Highly Affected Sectors Credit Availability Program
HERD	Higher education expenditure on research and development
HPC	High performance computing
HQP	Highly qualified personnel



Acronyms (I-M)

ACRONYM	DEFINITION
I	
I2I	Idea to Innovation (NSERC Program)
ICA	<i>Investment Canada Act</i>
ICT	Information and communication technologies
IDEaS	Innovation for Defence Excellence and Security
IDRC	International Development Research Centre
ILO	University or college Industry Liaison Office
IP	Intellectual property
IQC	Institute for Quantum Computing – at the University of Waterloo
IRAP	Industrial Research Assistance Program (NRC program)
ISC	Innovative Solutions Canada
ISI	Innovative Superclusters Initiative
ITA	Industrial Technology Advisor
ITB	Industrial and Technological Benefits
ITO	Industrial Technologies Office

ACRONYM	DEFINITION
L	
LEEFF	Large Employer Emergency Financing Facility
LEO	Low Earth Orbit
LGBTQ2	Lesbian, gay, bisexual, transgender, queer and two-spirit
LHC	Large Hadron Collider – experiment at CERN
LTS	Let's Talk Science
M	
M&A	Mergers and Acquisitions
MC	Memorandum to Cabinet
M&E	Machinery and Equipment
MNE	Multinational enterprise
MPMO	Major Projects Management Office
MR	Ministerial Recommendation
MRF	Major Research Facility
MSI	Major Science Initiative



ACRONYMS (N-P)

ACRONYM	DEFINITION
N	
NAICS	North American Industry Classification System
NCE	Networks of Centres of Excellence (Tri-Council program)
NFP	Not-for-profit
NINT	National Institute for Nanotechnology (NRC / University of Alberta lab)
NPMO	Northern Projects Management Office
NREN	National Research and Education Network
NZA	Net-Zero Accelerator (part of Strategic Innovation Fund)
O	
OCUR	Ontario Council on University Research
OECD	Organisation of Economic Development and Cooperation
ONC	Ocean Networks Canada
OTN	Ocean Tracking Network

ACRONYM	DEFINITION
P	
PAGSE	Partnership Group for Science and Engineering
PCF	Pan-Canadian Framework on Clean Growth and Climate Change
PDF	Postdoctoral Fellowship
PET	Pierre Elliott Trudeau Foundation
PGS	Postgraduate Scholarship
PI	Perimeter Institute for Theoretical Physics
PNP	Private non-profit
PSISIF	Post-Secondary Institutions Strategic Investment Fund



Acronyms (R-S)

ACRONYM	DEFINITION
R	
R&D	Research and Development
RD&D	Research, Development and Demonstration
RDA	Regional Development Agency
RDC	Research Data Canada
RDM	Research Data Management
REGI	Regional Economic Growth through Innovation Initiative
RFFF	Regional Relief and Recovery Fund
RSAs	Related scientific activities
RSF	Research Support Fund (formerly Indirect Costs Program ICP)
R&T	Research and Technology
Rx&D	Canada's Research-Based Pharmaceutical Companies
S	
SBDA	Science-based departments and agencies (Federal organizations performing research)
SBED	Small Business and Entrepreneurship Development

ACRONYM	DEFINITION
SDTC	Sustainable Development Technology Canada (Federally supported organization)
SIF	Strategic Innovation Fund
SME	Small and medium-size enterprise
SOE	State-owned enterprise
SPOR	Strategy for Patient-Oriented Research (CIHR)
SR&ED	Scientific Research and Experimental Development (Federal tax credit)
SSF	Strategic Science Fund
STEAM	Science, Technology, Engineering, Arts and Mathematics
STEM	Science, Technology, Engineering and Mathematics
ST&I	Science, Technology and Innovation
S&T	Science and Technology



Acronyms (T-W)

ACRONYM	DEFINITION
T	
TAC	Technology Access Centre Grant (NSERC College and Community Innovation Program)
TB Sub	Treasury Board Submission
Ts&Cs	Terms and Conditions
Tri-Council	The three federal granting councils: NSERC, SSHRC and CIHR
TRIUMF	Canada's particle accelerator centre
TRL	Technology Readiness Level (nine levels)
TTO	Technology Transfer Office
U	
UBF	Universal Broadband Fund
UCASS	University and College Academic Staff System
USRA	Undergraduate Student Research Award

ACRONYM	DEFINITION
V	
VC	Venture Capital
VCAP	Venture Capital Action Plan
VCCI	Venture Capital Catalyst Initiative
VP	Value Proposition
W	
WES	Women Entrepreneurship Strategy
WEF	World Economic Forum
WIL	Work-integrated learning
WIPO	World Intellectual Property Organization
WTO	World Trade Organization



Acronyms (Select Government Departments and Agencies)

ACRONYM	DEFINITION
AAFC	Agriculture and Agri-Food Canada
ACOA	Atlantic Canada Opportunities Agency
BDC	Business Development Bank of Canada
CanNor	Canadian Northern Economic Development Agency
CED	Canada Economic Development for Quebec Regions
CIHR	Canadian Institutes of Health Research
CIRNA	Crown-Indigenous Relations and Northern Affairs
CRTC	Canadian Radio television and Telecommunications Commission
CSA	Canadian Space Agency
DFO	Fisheries and Oceans Canada
DND	National Defence
ECCC	Environment and Climate Change Canada
EDC	Export Development Bank of Canada
ESDC	Employment and Social Development Canada
FIN	Finance Canada
FedDev Ontario	Federal Economic Development Agency for Southern Ontario
FedNor	Federal Economic Development Agency for Northern Ontario
GAC	Global Affairs Canada
HC	Health Canada

ACRONYM	DEFINITION
IRCC	Immigration, Refugees and Citizenship Canada
ISED	Innovation, Science and Economic Development Canada
ISC	Indigenous Services Canada
NRC	National Research Council
NRCan	Natural Resources Canada
NSERC	Natural Sciences and Engineering Research Council
PacifiCan	Pacific Economic Development Canada
PCH	Canadian Heritage
PCO	Privy Council Office
PHAC	Public Health Agency of Canada
PrairiesCan	Prairies Economic Development Canada
PS	Public Safety Canada
PSPC	Public Services and Procurement Canada
SSHRC	Social Sciences and Humanities Research Council
SSC	Shared Services Canada
StatCan	Statistics Canada
TBS	Treasury Board Secretariat
TC	Transport Canada